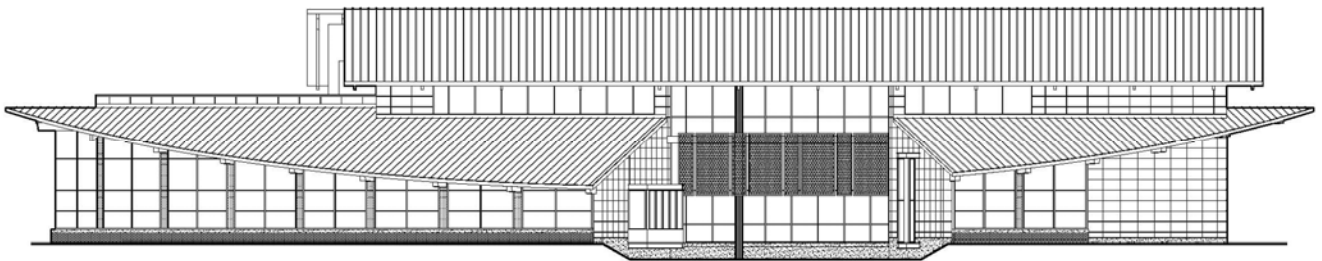




Olney Library Addition & Renovation Mandatory Referral Review Submission



Submitted To:

Montgomery County Department of Park and Planning
Maryland-National Capital Park and Planning Commission
8787 Georgia Avenue
Silver Spring, MD 20910

Submitted By:

Project Management Section
Department of General Services
Division of Building Design & Construction
101 Monroe St., 11th Floor
Rockville, Maryland, 20850

The Lukmire Partnership, Inc
12/23/2000





DEPARTMENT OF GENERAL SERVICES

Isiah Leggett
County Executive

David E. Dise
Director

MEMORANDUM

December 23, 2009

TO: Rollin Stanley, Director
Department of Planning

FROM: David E. Dise, Director
Department of General Services

SUBJECT: Olney Library Renovation and Addition submission for Mandatory Referral
CIP Project # 710301

Montgomery County Government is pleased to submit this Mandatory Referral package for Olney Library to the M-NCPPC Department of Planning. At this time this project is in the Design Development review phase.

This project provides for the renovation of and addition to the Olney Library, located at 3500 Olney-Laytonsville Road. The current facility is 16,454 sf and with the new addition the resulting facility will be 21,994 sf. The library was built in 1980, and in keeping with the Department of Public Libraries' program of planning for major renovation assessments on a regular cycle, it is due for a renovation. Working with the Department of General Services, the Department of Public Libraries intends to:

- Determine whether building size is appropriate to meet current and projected service demands by studying changing population density and demographics and program emphasis including meeting rooms for public access
- Provide up-to-date, comfortable and safe physical facilities for the delivery of effective, efficient, and equitable access to library services for citizens throughout Montgomery County, Maryland
- Protect capital investment by maintaining the library system's infrastructure
- Assure that overhaul and replacement of major mechanical, electrical, duct, and lighting systems which are outdated and beyond economical repair are performed while maximizing public service hours from one year to the next
- Upgrade buildings to meet new code requirements (ADA, fire code, energy, safety requirements, etc.)
- Update building requirements necessitated because of technological change

Division of Building Design and Construction

- Update old, dated furniture and equipment to meet the needs and expectations of the community
- Redesign the interior to more efficiently utilize staff and enable customers to better “help themselves”

The design of this project seeks to address all these concerns, to upgrade the Storm Water Management plan and to provide a LEED Silver project.

This Mandatory Referral Package provides the information necessary to clearly describe the proposed design and the decisions for the Olney Library as made by the Montgomery County design team. As part of the Mandatory Referral process my design team met with your staff on September 28, 2009 for the required presubmission meeting. Included in the submission package are hard copies and one CD of:

- Project Report (1 copy)
 - Written Project Narrative
 - Supplementary Information including:
 - General Location Map
 - Existing Conditions & Proposed Site Plans
 - Utilities and Right-of-way Map
 - Pedestrian and Vehicular Circulation Plan
 - Combined Natural Resource Inventory/Forest Stand Delineation (NRI/FSD) Plan and Tree Save Plan
 - Special Protection Map
 - Topographic Map
 - Preliminary Storm Water Management Concept Plan
 - Landscape Planting Plan, Notes and Details and Storm Water Planting Plan
 - Electrical Site Lighting and Photometrics plan
 - Overall Concept Development Plan
 - Statement of Compliance with Montgomery County Noise Ordinance
 - Architectural Schematics
 - Traffic Impact statement
- Set of Drawings at half size (5 sets)
 - G-001 Title Sheet
 - C-1 Existing Conditions Plan
 - C-2 Site Plan
 - C-0C Grading & Storm Water Management
 - L-1.01 Combined NRI/FSD & Tree Save Plan
 - L-1.02 Combined NRI/FSD & Tree Save Plan – Notes & Details
 - L-2.0 Landscape Planting plan
 - L-2.1 Landscape Notes & Detail
 - L-2.2 Storm Water Planting Plan
 - A-101 Architectural Site Plan
 - A-104 Roof Plan
 - A-201 Building Elevations

- A-202 Building Elevations
- A-203 Building Elevations
- A-1101 Furniture Plan
- E-401 Electrical Site Plan
- E-402 Site Photometrics

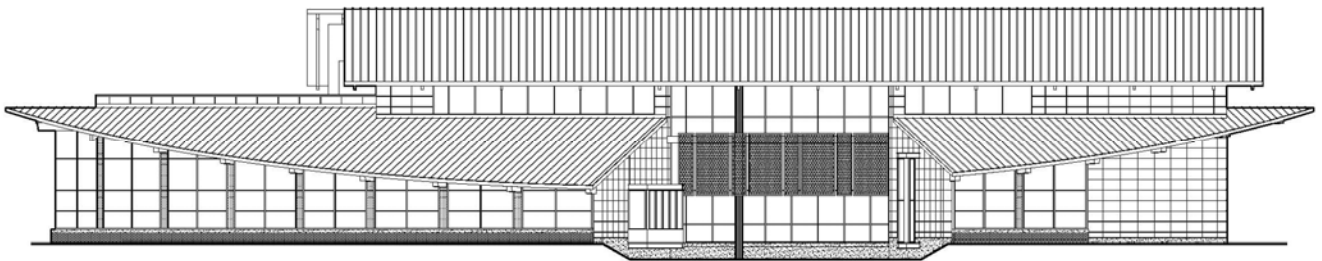
My staff is available to discuss any concerns that might remain, and to answer any questions you or members of your staff might have. Please contact Susanne Churchill, project manager for DGS, at 240-777-6113 or susanne.churchill@montgomerycountymd.gov if you have any questions or concerns.

cc: Rita Gale, Public Service Administrator, Department of Public Libraries
Kalid Afzal, Team Leader, Community Planning, M-NCPP
William Evans, Principal, the Lukmire Partnership - Architects
Ernest Lunsford, Chief, Division of Building Design and Construction, DGS
Don Scheuerman, Acting Chief, Division of Building Design and Construction, DGS
Suresh Patel, Team Leader, Division of Building Design and Construction, DGS
Susanne Churchill, Senior Architect, Division of Building Design and Construction, DGS

DED/sa



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 7. *Special Protection Area Map (Not Required)*
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 11. Electrical Site Lighting & Photometric Plans (*Attached sheets E-401,E-402, including lighting fixture cut sheets*)
 12. *Overall Concept Development Plan (Not Required)*
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1. Narrative

I. Summary

Work of this Project comprises site construction, and general construction, including general site & landscape (including sediment & erosion control, stormwater management, below grade utilities, paving, and site furnishings), architectural, structural, mechanical (including fire protection, plumbing, heating, ventilating, and air conditioning), electrical, communications, and electronic safety & security work for the Olney Library Addition & Renovation.

This report is a summary of the site investigations, review of the Program of Requirements (POR), and development of the design studies continued from the Conceptual and Schematic Design Phases up to the recently completed Design Development Phase. The existing site is already largely developed to its lot lines, with only two grove areas left. Saving the mature trees is a stated goal for this project. Since the library was first built, the master plan for Olney has changed to reflect the changes in the community. The current Master Plan goals, as described in the documents for Olney Town Center, present an urban vision toward which the community would like to evolve. Urban in the sense of a tightly-bounded, pedestrian-oriented small town or village a higher density, more contiguous development, and a more environmentally sensitive place where land is preserved and multiple uses brought closer together instead of segregating them, aiming to restore the human scale. **Because the existing facility was sited under a previous planning background envisioning a lower density, mostly rural community, it does not fully reflect the current idea of a more urban, street-oriented town center. However, as presented in this narrative, it is a goal of the project to weave the existing facility into the Town Center Master Plan in as many ways as are reasonable given the existing site.**

The existing facility is set well back from the road, partially framed / partially hidden by a grove of mature pines and hardwoods. The existing facility gives little clue to its function, and does not do a particularly good job of declaring itself as a welcoming institution, almost as if it were a exclusive clubhouse, or even a private residence. While a self effacing façade may be well mannered as a neighbor, it does not contribute a great deal to the overall character of Olney's village center. It is the stated goal of this project to re-conceptualize the Library as a public amenity at the beginning of the Town Center, inviting to pedestrians, and clearly appealing to its citizens, in the manner of book stores and like commercial ventures, creating the new public library as a destination for social networking and community-based programs.

II. Introduction

1. **The Existing Library** was built in 1980, designed by VVKR, and along with the parking lot, occupies the majority of the existing site. It is a one story structure with mechanical penthouses disguised by the roof lines. The building remains largely as it was designed, although the program has changed sufficiently to cause significant difficulties for users and staff alike. Likewise after twenty-five years of service, the main mechanical and electrical building systems have reached the end of their useful lives.

In the first public meeting (Jan 24, '08) the community participants provided the Design Team with a laundry list of desired improvements to the current facility. Significant comments included the building's perceived lack of a public face, the inverted nature of how one arrives at the entrance, and the building's rather dim interior and lack of orientation to views of the tree grove at the front of the site.

2. **LEED** - This project will comply with current Montgomery County regulations that require the project to achieve a LEED Silver rating. Given the extensive nature of the renovation being planned, this goal should be eminently achievable. Moreover, sensitivity to the existing site will be required if impact to the mature vegetation that exists today is to be avoided.

3. **Project Goals** were developed following the first public meeting and the initial meetings with County Library staff. These goals were summarized in the Conceptual Design Narrative as follows:

- a. Develop an architecture that is reflective of Olney's rural past.
- b. Create a better public identity for the Library as seen from the street.
- c. Establish the Library as an initial gateway project to the Olney Town Center.
- d. Create a pedestrian way from the street that leads intuitively to the library entrance.
- e. Unify the existing interior and open it up visually.
- f. Create strong visual links from interior to the site, and beyond to the community.
- g. Open Library to views of the existing tree grove along the street, and toward the rear where patrons arrive from the parking lot.
- h. Provide better separation between the Children's and Adult areas of the Library.
- i. Re-define the Meeting Room function to encourage off-use access by library patrons.

III. Background

1. **Olney Town Center Master Plan** introduces a number of urban design issues influencing the redevelopment of the Library. Tangentially, these also mesh well with LEED criteria for site work. Ultimately, good urban design practices dictate that these issues be addressed.

- A. The goal of the Olney Town Center is the creation of an urban village core located at the intersection of Olney-Laytonsville Rd. / Georgia Avenue. The Town Center illustrative plan shows a four quadrant plan centered directly on the intersection. The Library site is included in the general area of the Town Center. While it does not fall within the area identified for redevelopment, it is immediately adjacent to the Town Center's southwest quadrant. Certainly with such proximity, when that area is redeveloped, the library will become an important element in the urban pedestrian circulation patterns.
- B. It has been discussed with M-NCPP (meeting with Mr. Khalid Azfal, Team Leader, May 13, 2008) and clarified that in regard to the Olney Town Center Master Plan, redevelopment of the Library site for its continued use is an acceptable alternative to its relocation, since a consolidation w/ Olney civic center for the southwest quadrant of the Olney Laytonsville Rd. / Georgia Avenue intersection is not presently under consideration.

*"If the Olney Library is relocated to another site it should be within the Town Center, preferably in a combined civic center with other services and a town commons. Explore the feasibility of a joint development with the adjoining Olney Shopping Center to create a civic center/town commons at his location."*¹

The above quote, by inference, acknowledges that the current library site cannot change without the re-development of the Olney Shopping Center. No current plans are underway at present to redevelop the shopping center property to mixed-use development. Without redevelopment of this property, the Library site must be considered in its present, independent state.

- C. The Design Guidelines provide descriptions of the proposed Town Center that is envisioned:

"The emphasis will be on creating a pleasant environment for the pedestrian that can be characterized by wide landscaped sidewalks, attractive and well designed street

¹ From Olney Master Plan, approved April, 2005.

furniture, pedestrian-scale lighting, interesting ground floor uses and slow-moving vehicular traffic."

"The automobile, with appropriate traffic calming initiatives (narrower streets, on-street parking, clearly defined sidewalks and special paving at critical locations), can be compatible with, and contribute to, a pedestrian friendly environment."

"Intersections and entrance drive radii dimensions ... will be kept to minimum sized to reduce traffic speed and make pedestrian crossings less daunting."

"Curb Radii Design speeds of 25-mph require a curb radius of 15 feet for intersections with ... private streets."

Olney-Laytonsville Rd. is called to be a "5 lane section ... 12' median w/ turn lane and outside travel lane (becoming) parking lane during "off-peak" hours, with 20 ft. setback for planting and retail sidewalk."

D. The Design supports the Town Center concept with the following:

- Pedestrian linkages to the library site from the adjacent residential properties have been proposed wherever possible. (LEED)
- Pedestrian linkages to the library site from the Olney Shopping Center have been proposed². (LEED)
- Future pedestrian routes should be encouraged to join the mixed use redevelopment of the Olney Shopping Center to the Library the site. (LEED)
- Vehicular connection between the Olney Shopping Center and Library parking lots (in furtherance of Master Plan's "alternate service routes") is not desired by the library, primarily due to concern that shopping center service traffic, which is reported as being already a problem, would increase through the site. Such traffic would be a safety concern, particularly for children using the library.
- Street frontage along Olney-Laytonsville Rd. (Rt. 108) is to remain largely as is. The existing drive entrance will be reconfigured to add a short stack left turn lane exiting the library site, and a pedestrian safety island to reduce the crossing hazard with cars.
- The County has determined further improvements to the existing roadway will not be included in this project. Reconfiguration of the median pavement for Olney-Laytonsville Rd. to reduce the extent of pavement needs to be deferred until the Town Center's redevelopment is better understood.
- Site bike racks are provided on the Library site in obvious locations to encourage alternate transportation means. (LEED)
- The Library will be developed as a transition between the adjacent residential townhouse development and the greater commercial densities of the proposed Olney Town Center.

2. Zoning - The property is currently zoned for Mixed-Use Town Center (MXTC). Both the site and the library as a public amenity, are considered a key part of the Town Center.

A. The Schematic Design extends the building face toward the street to create stronger visibility on the street for the library. However, the design does not fully achieve a continuous street front which is a goal of the Town Center Master Plan. It has been

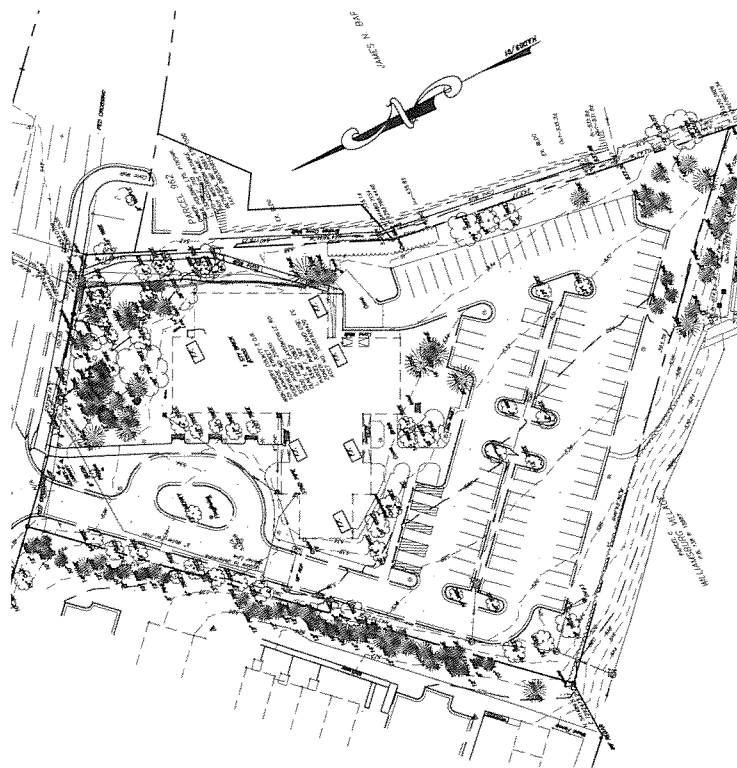
² In discussion with The Olney Town Center Advisory Committee, there is support for making connections to the shopping center and to the adjacent residential areas. After an evaluation of grades, and consideration of ADA access, it appears ramp/stair connections would need to be located on the adjacent properties where the grades are higher. Essentially the County would be required to obtain easement rights to build, and then execute the work. The County remains open to discussion, but to date no decision has been reached as to how that could be accomplished.

confirmed with the M-NCCP staff that the street frontage setback of 10 ft. maximum in a MXTC zone does not apply to the redevelopment of the library on its current site, in that the Master Plan anticipated the library's relocation, not its renovation and addition.

3. **Library As Cultural Landmark** - If the Library is to be redeveloped as the community wishes, and is to be recognized as a significant part of the Town Center, this project must take every possible measure to announce the Library as a cultural landmark. The exigencies of site are what make up an important part of the character of place; it is what distinguishes one community from the next, and what makes real spaces from diagrammatic plans. The Library site is located close to the center of the proposed Town Center and is well positioned to participate in its ultimate build-out. What it lacks is what cannot be controlled by this project, namely the taming of the two major arterial roads that greatly influence how the Library site is presently perceived. Solving this problem will be the key to bringing about a walking Town Center.
4. **Transportation** - The current arterial roads (Georgia Avenue and Olney-Laytonsville Rd serving the Library carry high volumes of traffic. Currently the Olney area is served by Metro buses along both of these arteries. Additionally, a proposed Georgia Avenue Busway is proposed as a means to improve and encourage higher bus ridership along this corridor.³

IV. Existing Site Conditions

1. **Site Survey** - The initial site survey (shown below) was completed during Conceptual Design. The site is located at 3500 Olney Laytonsville Road, (MD-108) on one parcel totaling 2.50 acres owned by the Montgomery County.



2. **Geotechnical Investigations** - A boring plan was prepared by the design team. The results of their geotechnical investigations are contained in ECS, LLC "Report of Subsurface Exploration and Geotechnical Analysis, Olney Library Renovation, 3500 Olney-Laytonsville Road, Olney,

MD, ECS Project No. 13-3664, May 29, 2009". A copy of the referenced report is available for review.

3. **Adjacent Properties** - The property fronts on Olney-Laytonsville Rd. To the west and south lie Parcels C and B respectively of "Williamsburg Village" a townhouse development of two story structures. Evergreen landscape screening along these edges is mature to the extent that the under-story screening is largely gone. To the east lies the Olney Shopping Center, whose rear masonry wall backs up to the east property line, making views from the Library in that direction extremely limited. The shopping center's parking lot lies against the southeast corner of the Library property, offering the possibility for pedestrian access between the properties. Evergreen landscape screening along this property line is similarly mature.
4. **Existing Trees & Grade** - The Natural Resource Inventory / Forest Stand Delineation (NRI/FSD) has been initially reviewed by M-NCPPC during Conceptual Design. Several significant trees have been identified on the site, primarily located to the front of the site in the existing grove. The site slopes from an elevation of approximately 542 feet above sea level at the northeast corner of the property to an approximate elevation of 526 feet at the southwest corner of the property. Existing grades are mostly gradual, except at the western and southern edges of the site where the grade meets adjacent properties. The steep grades are a result of grading, and probably do not precede the original development. The grades will preclude inter-parcel connecting roads to the adjacent residential development, however, it is feasible to provide pedestrian access via site stairs to the residential areas, provided permission were obtained from the adjacent property owners, and the additional cost of structured stairs and ADA ramps on the adjacent properties could be budgeted for.
 - A. The Project request for an exemption from submitting a forest conservation plan 42008194E was approved by the M-NCPPC July 8, 2009. Tree save issues will be handled through the Mandatory Review process.
5. **Site Utilities** - Existing site utilities are shown on the initial site survey. Public water, sewer and telephone will remain. Electric and gas will be upgraded to serve the new building.
6. **Storm Water Management** - Currently there is no SWM facility on this site since the construction of the existing facility preceded the requirements, nor does it participate in a regional SWM facility. Because of this, SWM needs to consider both the existing and proposed development impacts. Existing drainage flows from the parking lot go toward the storm outlet at the SW corner of the site. The SWM facilities will need to direct water in the same direction, making the best location for underground structures under the existing driveway; this will require the driveway's partial demolition and reconstruction. The SWM facilities will be designed in accordance with the most current Montgomery County stormwater management regulations.
 - A. The initial SWM Concept Plan was previously submitted to DPS in April 2009 with subsequent request by DPS for additional information on June 10, 2009. The Concept Plan was revised and re-submitted to DPS on November 6, 2009.
7. **Parking** - Currently the site has 86 long term parking space (including 4 accessible spaces, 3 + 1 van). It also offers a drop off loop in front of the library, with no additional parking located there, although the drop off is often used for short term parking. It was verified that by zoning requirement, the existing parking will accommodate the proposed addition without additional parking.
 - A. A short term drop off lane is proposed along the entry drive and will accommodate up to three cars.
 - B. Re-grading of the HC spaces, will be done as part of the project revising the cross slope from the existing 5% to maximum of 2% per current ADA standards.

- C. Up to 4 of the existing spaces will be removed to make way for the proposed staff area addition and reconfigured service yard. Proposed parking will accommodate 86 spaces [82 standard and 4 accessible spaces (include 1 van accessible space)]
 - D. The remainder of the lot will remain intact.
- 8. **Pedestrian Access** to the site is from the sidewalk along Rt. 108, although at present, not much foot traffic is reported. An existing pedestrian way running along the eastern property edge provides access to the rear of the adjacent shopping center and will be maintained. Site stairs and ramps have been considered for the south east, south and western property edges to the adjacent shopping center and townhouse development respectively but are not currently included. An existing walkway along the southern property edge connects to the other adjacent townhouse development.
- 9. **Site Landscape** - The design of the new library saves as many existing trees as possible. New landscaping will be proposed using native species plants.

V. Existing Building Conditions

1. **Existing Building Area** is as follows: 14,098 NSF (to inside face of exterior walls) and 14,843 +/- GSF footprint on the site. There is additionally 1,349 NSF / 1,611 GSF at the Penthouse level for the primary mechanical equipment. Total gross area of the existing building is calculated at 16,825 GSF.
2. **Solar Orientation** for the building is particularly challenging, as the existing building is oriented virtually 90° from true south. Thus the existing clerestory windows, with no roof overhang to shade them, admit strong, direct sunlight, creating difficult-to-control lighting for readers and computer users.
3. **Existing Building Structure** consists of masonry bearing walls, secondary steel framing, and a roof structure composed of glue-lam beams and structural tongue-and-groove wood deck mostly exposed to the interior. Exterior walls are brick veneer with CMU backup masonry. The existing bearing walls, where windows are provided, are supported on steel lintels, making expansion of them more costly to structure. The majority of the interior public space has exposed brick interior walls, making it difficult to adapt or to display against the interior brick.
4. **Existing Building Form** consists of 6:12 pitched roofs, with a internal, flat-roofed light well running the length of the building. Twin, sloping open ceiling spaces rise to internally-facing clerestory windows located either side of the linear light well. The dropped-ceiling space below the light well between the two higher sections is used for duct distribution. This light well creates a roof condition in the somewhat derogatory vernacular known as a “bathtub” for the obvious risk of leaks. Beyond this, the dropped ceiling space bisects the major space in the Library visually chopping up what otherwise could be a charming, warmly finished room. The Design Team views correcting this visual and maintenance blight as an important point in the renovation of the existing building.
5. **Building HVAC** at present is a two pipe water source heat pump system. The central plant consists of two circulation pumps that supply water to multiple water source heat pumps. Heating is supplied by two pulse-type hot water boilers. A cooling tower is located in a rooftop mechanical well space (open to the air).
 - A. The HVAC plant is located in three separate penthouse locations, separated by exposed-to-view wood ceilings. From a user perspective, the current system is virtually invisible, however from the perspective of maintenance it is a difficult scheme.
 - B. With the limited site available, and an ambitious building program, it is recommended that a similar penthouse scheme be continued, although with a more consolidated footprint.

6. **Plumbing:** The existing building is fully sprinklered.
7. **Electric :** The existing electrical service is 120/208V 3 phase 4 wire underground. The electrical service for the facility will be upgraded to 265/460V-3phase, 4 wires.
 - A. Electrical distribution for the new expanded and upgraded library will be new.
 - B. The installation, including lighting dates to the original building. The exterior parking area lighting will be replaced with new cut-off fixtures and additional exterior lighting will be added if required to provide improved patron / staff site security

VI. **Building Program**

1. **Building Program** The Design Team has worked with library staff to better determine the library needs. A number of iterations of the program have been presented by the Design Team and discussed with the library staff. Additional space for quiet study rooms, additional computers, children's discovery room, and larger collections has been included. The largest area of growth is in the Children's programs, reflecting Olney's projected population growth patterns.

VII. **Building Design** - (See Appendix for Proposed Olney Library Concept Floor Plan). Design Development submitted to County November 18, 2009 (See Architectural Drawings).

1. **Design Development Design** - Progress and other meetings were held with Montgomery County DGS staff during this phase. Subjects covered included, but were not limited to:
 - A. Preliminary Plan Review Consultation Mtg. @ DPS (7/22/2009)
 - B. Mandatory Referral (Progress Mtg. 7/30/2009)
 - C. Crime Prevention (8/20/2009)
 - D. Development of Interior Design Materials & Colors (various dates)
 - E. Commissioning process was initiated with County engagement of MEP & Building Envelope Consultant. Integration of commissioning and design will continue through subsequent construction documentation phase.
 - F. LEED documentation will continue through subsequent construction documentation phase.

Submissions were prepared and/or made to various agencies including:

- A. Re-Submittal to DPS of revised Stormwater Management Concept Plan (11/09/2009)
 - B. Re-submittal to SHA of proposed revision to Library Entrance Drive re: dedicated L & R turn lanes (November 2009)
 - C. Mandatory Referral package prepared for County review prior to submission to M-NCPPC. Submission anticipated in early December.
2. **The Design Development documents** continue the design, employing an arc form extending toward the street. The Addition consists of the Children's area at the prow interrupted by an exterior courtyard, and concluding with the Young Adult (YA) Area and public toilets. The existing building is occupied by the Adult area at the front facing the street, and Meeting Rooms to the south and the parking lot. The staff work spaces are aligned against the east-facing rear wall, wrapping the south end of the building. A second, smaller addition located toward the east property line, provides Receiving, Building Storage and Electric Rooms as well as an enclosed stair to the upper level Mechanical Area. The circulation desk (backed up to the circulation workroom) is oriented toward the entry. The divisible Meeting Room is adjacent to the entry lobby and public toilets for after hours use.
3. **A narrow spine** marks the major circulation axis through the building and serves as a "zipper" joining the Addition to the existing facility. Clerestory windows introduce indirect light into the

building along the length of the spine. The small courtyard is both a design feature letting natural light into the existing building, and a rain basin / bio-retention area for Storm Water Management (SWM) purposes.

4. **The renovated portion** of the building is redesigned to eliminate the inverted 'bathtub' clerestory. This is replaced by a new, high roof space allowing light via a clerestory similar to the new spine. In this way, the major space in the library will become the Adult Area.
 - A. As a result of further design review, the orientation of the clerestory at the Addition has been reversed i.e. the slopes of the two clerestories are no longer parallel but opposite. This revision results in a lower height for the Spine curtainwall and better accommodates the additional height needed for the Mechanical Area equipment and ductwork.
5. **Book Drop** - The after hours book drop has been re-located. It is visible and adjacent to the new public entrance. This satisfies the community concerns for a more visible book drop location. Though not immediately backed up to the staff workroom access for the library staff via the Meeting Room has been improved over previously shown access from the Public corridor / circulation Spine.

VIII. Design Development Building Envelope –

1. **The building entrance** will remain facing the rear of the site (since that is the point of arrival for patrons coming in vehicles). Reorienting the entrance is not possible, given the existing location of the parking lot. Adding a second entrance toward the street is not possible given the limited staffing and building security concerns. The sweeping curve of the building addition serves to direct patrons intuitively toward the entrance, and lessens the impression of the reversed entry condition.
2. **A rain basin / bio-retention area** within a building "cut-out" bounded by the exterior walls of the Children's Area, Circulation 'Spine' and the Y. A. Area. This area is intended to be viewed from the library as a garden space, and will include dry rock formations as well as suitable SWM plantings e.g. decorative grasses, sedges, rushes, etc., suggesting a naturally occurring landscape.
3. **Daylighting** will be achieved by the introduction of clerestory window above the entrance spine, as well as the new spine created from the existing building's inverted clerestory. This is shown in the section drawings included in this submission.
4. **The existing building exterior** is brick masonry that appears to be acceptable for continued use. Where the addition will require demolition of the existing brick bearing walls, the brick will be re-used for new walls elsewhere.
5. **The Addition / Renovation** is conceived as being primarily of glass, with several instances of solid wall as follows:
 - A. Children's Area / YA Area sill wall will be brick masonry cavity wall to receive the curtainwall.
 - B. Diagonal end walls (at Children's and YA will be pre-finished insulated metal panels on galvanized LGSS framing.
 - C. End walls parallel to Spine (at Col. line 4) will be pre-finished insulated metal panels on galvanized LGSS framing.
 - D. Addition at existing '1" Line, beginning at 'C' line will be brick masonry cavity wall, with the exterior face aligning with the existing.

- E. Upper walls (such as at new clerestory areas) not otherwise brought to grade will be brick masonry and /or pre-finished insulated metal panels on galvanized LGSS framing on and between structural supports.
- 6. **Curtainwall systems** will be thermally-broken aluminum frames based on Kawneer 1600 (or equal) with typical 2.5"x10" vertical mullions. Natural ventilation will be provided by vent sections integral with the curtainwall, or alternatively awning & casement windows fitted into the curtainwall. Storefront systems will be similar.
- 7. **New windows** will be thermally-broken aluminum framed windows, with vent sections to be determined during Design Development (all existing fenestration will be replaced).
- 8. **Solar Screens** will be used in several areas: These screens are to be held off from the curtainwall on separate framing to limit complications with the curtainwall system itself.
 - A. At the exposed Spine section between Children's' and YA.
 - B. At the Rear Entry.
- 9. **Roofing** - Steep slope roofing will be standing seam metal roof on Ice & Water Shield, exterior grade plywood sub-roof on min. 5" rigid insulation (R-value = 35). Low slope roofing, generally at overbuild and mechanical area will be BUR w/ granular cap sheet. Both systems will be developed / detailed to County standards.
 - A. The existing roof at 6:12 slopes will be maintained.
 - B. The addition roof will be at 3:12 slope to minimize the building volume, particularly at the Spine.
 - C. Deduct alternative will be developed for 40-year asphalt shingles over vented deck substrate.
 - D. Metal roofs are to be pewter / terne-coated steel in color, and are to be Kynar finished.
- 10. **Existing exterior wall art and memorial tree / plaque** installations will be removed and, if possible, re-located.
- 11. **Building Elevations** - The building form is derived from two primary sources: from the existing sloped roof and masonry building, and from the curve of the addition. The elevations (see drawings) show extensive use of glazing (in a balance of light-tinted insulated Low-E glazing, solar screens and elements of fritted or otherwise translucent glazing allowing light but with higher R-values). Such techniques of glazing will help overcome issues of the late afternoon sun to which the west elevation will be exposed.

IX. **Site Redevelopment –**

It is proposed to reorient the building to the driveway and redevelop this as the facility's primary public street. This is to offset the fact that the facility is otherwise unable to physically reach all the way to Olney-Laytonsville Road. By this reorientation, the Town Center's zoning intent of reclaiming streets for people and buildings can be achieved for this site. Equally important, it improves the current situation of a public building being 'missing' from the larger community. Several key elements are proposed to meet this goal.

- A. The existing pine grove facing Olney-Laytonsville Rd will become a major visual focus by careful attention to the health of the trees.
- B. The building's most dominant features wrap the grove with views toward and from main areas of the library.
- C. A strong landscape theme along the entrance street, using native grasses and rock formations which begin at the entrance to the property will announce the building. Selected use of pine as an accent species will recall and reinforce the front grove.

- D. A wide, canopied walkway beginning at the street to encourage pedestrians coming to the site. The pedestrian way is pulled tight against the building following the sweep of the curve (and under the roof overhang).
- E. Road and walkway lighting that provides good visual cues, and reinforces the building's architectural form.
- F. Judicious use of landscape and building lighting will be employed to highlight the site and provide secondary security lighting.
- G. Re-Location of the existing "Mary Baker Memorial Tree" and plaque in vicinity of the existing / new entry will be further reviewed for re-location (arborist inspection may be required to determine if re-location is feasible considering size of tree).
- H. The entrance to the Library drive has been re-designed to incorporate dedicated left & right turn lanes so as to mitigate patron delays during periods of heavy traffic i.e. patrons wanting to turn right currently have to wait for those trying to turn left (and need to safely cross several lanes of busy traffic on Olney-Laytonsville Rd.). The proposed re-design was submitted for review and approval to State Highway (SHA) and has recently been re-submitted with revisions to accommodate SHA review comments.

X. **Design Development MEP Narratives**

1.General Narrative

The Olney Library will utilize high efficiency equipment, high efficiency lighting with occupancy sensors, and other environmental sustainable methods for a Silver LEED certified project.

2.Mechanical Narrative

The HVAC system will be a 4 Pipe Variable Air Volume System with one single unit serving the entire Library, and two constant volume system serving the meeting rooms. These units are located in an upper level Mechanical Room.

Chilled water is generated with an air cooled chiller utilizing refrigerant R410a. Chlorofluorocarbons (CFC) refrigerant will not be acceptable. The air cooled chiller will be mounted on the low roof adjacent to the penthouse mechanical room. The chiller unit is in an enclosed area with louvers provided for access to the air.

3. Electrical Narrative

The existing electrical service is 120/208V 3 phase 4 wire underground. The electrical service for the facility will be upgraded to 265/460V-3phase, 4 wires. It is expected that the incoming primary service will be reused by the utility, the transformer will be replaced and that the secondary may have to be replaced (this will only be known after the utility has done their engineering analysis of the site. The incoming electrical service will remain underground to the main electrical room located on the southwest corner of the building, near the administration areas. The installation will comply with NEC, all applicable local codes, and utility company requirements.

All components at the building Interior, panels, lightings, receptacles, etc. will be provided new.

All components at the building Exterior, parking area and security lighting, will be provided new.

4. Plumbing Narrative

The existing water service room will be demolished. The new water service room will be located in the same area as the existing location.

A new combined six inches fire and domestic water service will be provided entering the building at the existing location and into the new water service room. The income service will comply with WSSC and NFPA requirements. The service will have an outdoor (vault) FM water meter. Backflow preventers on both domestic and fire services shall be installed in the new water service room.

The roof drainage of the building shall be collected by gutters and downspouts. At the base of each downspout, Cast Iron Boot with cleanout will be provided as transition from vertical to underground horizontal storm system.

The building will be provided with a new sprinkler system in compliance with NFPA 13.

XI. References:

Olney Master Plan, adopted April, 2005 by Montgomery County.
Olney Town Center Illustrative Concept Plan & Design Guidelines published December 11, 2007
Olney Town Center Advisory Committee.
Program of Requirements, July 23, 2003 (MCDPL & DPW&T)
LEED for New Construction and Major Renovation, Version 2.2, Oct. 2005, U.S. Green Building Council.

XII. Additional Information

1. The Library's current hours of operation are as follows:

Mon. – Wed.:	10:00 AM - 9:00 PM
Thu. - Fri.:	10:00 AM - 5:00 PM
Sat.:	9:00 AM - 5:00 PM
Sun.:	12:00 PM - 5:00 PM from the Sunday after Labor Day until the Sunday prior to Memorial Day. Closed on Sundays during the Summer.

2. Olney Town Center Master Plan: This Project is in general conformance with the Olney Town Center Master Plan. See Narrative Sections III.

3. Pedestrian and Bicycle Safety Impact Statement: See Narrative.

4. Compliance with County Road Typical Roadway Section: There are no new roads proposed for this Project. All work in the R.O.W associated with the proposed modifications to the site entry (to provide dedicated turn lanes on to Rt. 118) will comply with SHA standards.

5. County-Designated Historic Properties: This Project does not affect County-designated historic properties.

6. Phasing Schedule: Library will be closed for duration of construction. No phasing is proposed. This project is currently scheduled to begin construction in November 2010 and completed for occupancy / Public opening in the Summer of 2012.

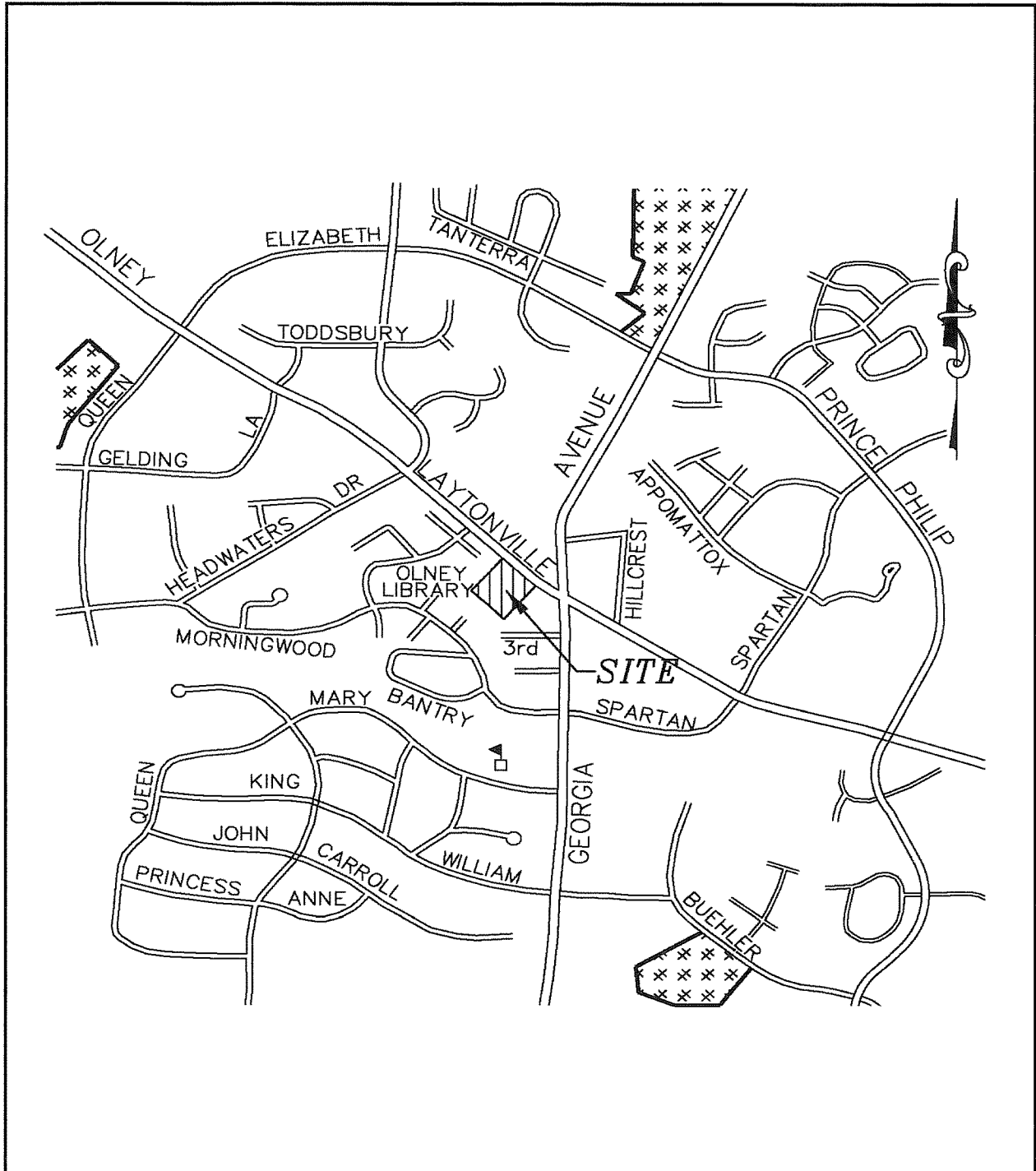
7. Non-Publicly Owned Land Intended For Common Or Quasi-Public Use: There is no land intended or common or quasi-public use as part of this Project.

8. Funding Source For The Project: County funds.

9. Impacts to Public Parkland or Land Owned by M-NCPPC: There will be no impact on public parkland or land owned by M-NCPPC.

10. **USGBC (LEED) Certification:** In compliance with Montgomery County's Green Building Law, this project will seek and obtain a Silver LEED Certification.

2. General Location Map



3. Site Plan

See the attached Existing Conditions Plan and proposed Site Plan on sheets C-1 and C-2.



PROJECT:
**Oney Library Addition &
Renovation Design
Development**
3500 Oney-Laymanville Road
Oney, Maryland 20852
PROJECT NO.: Client Proj. No.

2700 S. QUINCY STREET
ARLINGTON, VA 22208
T: 703-698-01014 F: 703-698-7768
www.julianrns.com



REGISTRATION:

NO.	DATE	ISSUE DESCRIPTION
1	11-10-2009	Design Development
2	12-1-2009	Mandatory Referral

1510

AE PROJECT NO.

1510

DOWN BY:

1510

ISSUE NO.

1510

ISSUE DATE:

1510

ISSUE DESCRIPTION

1510

ISSUE STATUS:

1510

ISSUE NO.

1510

ISSUE DATE:

1510

ISSUE DESCRIPTION

1510

ISSUE STATUS:

1510

ISSUE NO.

1510

ISSUE DATE:

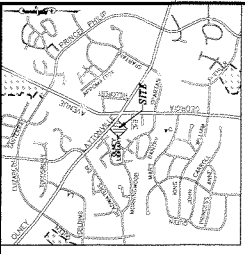
KEY PLAN:

SHEET TITLE:

EXISTING CONDITIONS PLAN

SHEET NUMBER

C-1



NEIGHBORHOOD MAP
SCALE: 1" = 2,000'
(WISC. GRID, 225 NW 1)
MORRISGEOMETRY COMPANY
AEC MAP, PAGE: 5049
GRID: X-6
(33rd FEB 1964)

GENERAL NOTES

1. EXISTING BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN HEREON WAS PROVIDED BY MERIDIAN SURVEYS, INC., 811 RUSSELL AVENUE, CATHERSBURG, MD.
PHONE: (301) 721-9400
FAX: (301) 840-0334
DATED MARCH, 2008.

2. SITE IS KNOWN AS "OLNEY LIBRARY" PARCEL 19664, LIBER 5640, FOLIO 362, MONTGOMERY COUNTY, MARYLAND. THE SITE IS ZONED R-200.

5. THERE IS NO DESIGNATED 100 YEAR FLOODPLAIN ON THIS PROPERTY. THE SITE IS IN ZONE "C" AS PER FEMA FLOOD INSURANCE RATE MAP NO. 24031C-02150, DATED SEPTEMBER 29, 2008.

5. THERE ARE NO WETLANDS ON THIS SITE.

7. NOTES ON THE DRAWINGS SHALL BE ASSUMED AS TYPICAL, UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS. ALL NOTES SUPPLEMENT THE PLANS AND ARE IN NO WAY TO BE CONSIDERED AS EXCLUDING IN ANY ITEM IN THEM.

8. IT SHALL BE THE DUTY OF THE CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS GIVEN ON THE DRAWINGS AND TO REPORT TO THE ARCHITECT/ENGINEER ANY ERROR OR

IN CONFLICT WITH THE ACTUAL CIRCUMSTANCES IN THE FIELD BEFORE COMMENCING WORK, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL ITEMS REQUIRED TO PROVIDE A SAFE AND SOUND WORKING ENVIRONMENT FOR ALL PERSONNEL AND TO BE CLEAR OF OBSTRUCTIONS (ABOVE & BELOW GRADE) AND

9. ALL BIDDERS; THE GENERAL CONTRACTOR AND ALL MAJOR SUBCONTRACTORS SHALL VISIT THE SITE TO FAMILIARIZE, GRADED TO SPECIFIED ELEVATIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FOR THE WORK TO BE PERFORMED PRIOR TO SUBMITTING BID.

PROVIDE ALL SITE SUB-CONTRACTORS/BIDDERS WITH FULL AND COMPLETE SETS OF ALL CIVIL DRAWINGS AND DIVISION 2 SPECIFICATIONS FOR THEIR USE IN PREPARING BIDS. THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER SHALL BE RESPONSIBLE FOR

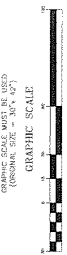
ANY AND ALL DELAYS AND COSTS ARISING DURING CONSTRUCTION FROM BIDS BASED UPON INCOMPLETE SETS OF SITE DOCUMENTS.

OWNER/APPLICANT
MONTGOMERY COUNTY

DEPARTMENT OF GENERAL SERVICES
101 MONROE STREET, 11TH FLOOR
ROCKVILLE, MARYLAND 20850

ATTN: MS. SOJOURN CHURCHILL
TEL: (240) 777-6113
FAX: (240) 777-9952

CAUTION: IF THIS DRAWING IS A REPRODUCTION



BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEVATION	LOCATION
1	941830.6843	1292632.7032	537.80	SQUARE CUT RIGHT CORNER CATION BASIN, NORTH SIDE OF QUAY LAWSONVILLE ROAD (RT. 108)
2	94172.7842	1292671.7120	540.22	SQUARE CUT RIGHT CORNER CATION BASIN, NORTH SIDE OF QUAY LAWSONVILLE ROAD (RT. 108)
3	941472.3277	1292620.3771	523.66	SQUARE CUT RIGHT CORNER PARKING LOT OF LIBRARY

TRAVERSE TABLE			
NO.	NORTHING	EASTING	ELEVATION
100	541748.4310	1232769.6000	539.67 REBAR & CA
101	541523.3640	1233081.3100	543.44 REBAR & CA
102	541892.2960	1232628.3200	532.77 60d Nail

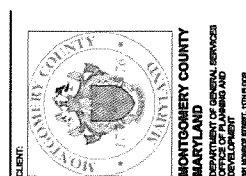


4. Utilities and Right-of-Way Map

See the attached Proposed Site Plan with utilities and right-of-way shown on sheet C-2.

5. Pedestrian and Vehicular Circulation Plan

See the attached Pedestrian & Circulation Plan on sheet C-0C.



PROJECT:
**Olney Library Addition &
Renovation Design
Development**
5500 Olney-Laytonville Road
Olney, Maryland 20852
PROJECT NO.: Client Proj. No.

The Lubliner Partnership, Inc.
Architecture Planning Interiors

2700 S. QUINCY STREET
ARLINGTON, VA 22208
T: 703-668-0101 F: 703-668-7768
www.submittal.com

ADTEK
CIVIL, STRUCTURAL, SPECIALTY ENGINEERING
& LANDSCAPE ARCHITECTURE
P.O. Box 10000
10000 Highway 265, Box 10
Pineville, Maryland 21134
Phone: 301-686-4527 Fax: 301-686-3641

REGISTRATION:

[illegible]

WE PROJECT NO: 13210
 DRAWN BY: LVV
 CHECKED BY: SPB
 DATE BY: AN

PEDISTRIAN &
VEHICULAR
CIRCULATION
PLAN

 SUBJECT TYPED:

1970-1971

SHEET NUMBER:

C-0C

CAUTION: IF THIS DRAWING IS A REDUCTION,
GRAPHIC SCALE MUST BE USED



MISS. UTILITY

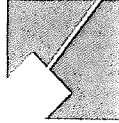
CALL "MISS UTILITY AT 1-800-257-7777. 48 HOURS PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. BEFORE EXCAVATION, THE CONTRACTOR IS RESPONSIBLE FOR CALLING TICKET # CHECK AT 666-514226 TO VERIFY THAT ALL UTILITIES HAVE BEEN LOCATED AND MARKED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR OBTAINING ALL NECESSARY COMPLIANCE WITH REQUIREMENTS OF CHAPTER 49A OF THE MISSISSIPPI COUNTY CODE.

6. Combined Natural Resource Inventory / Forest Stand Delineation & Tree Save Plan

A Natural Resource Inventory/Forest Stand Delineation Plan has been reviewed and approved by the M-NCPPC staff.

See the attached full size Natural Resource Inventory / Forest Stand Delineation & Tree Save Plan and Tree Save Notes & Details Plan on sheets L-1.01 and L-1.02.

See also the attached letter from M-NCPPC to Montgomery County DPWT approving the request for an exemption from submitting a forest conservation plan (July 8, 2009).



MONTGOMERY COUNTY PLANNING DEPARTMENT
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION

July 8, 2009

Montgomery County DPWT c/o Shri Gondohaleker
101 Monroe Street, 11th Floor
Rockville, MD 20850
240-777-6071

Dear Shri Gondohaleker:

This letter is to inform you that your request for an exemption from submitting a forest conservation plan 42008194E, Olney Library, is approved under Section 22A-5(t) – Modification to Existing Developed Property:

1. No more than 5000 square feet of forest will be cleared;
2. The modification does not affect any forest in a stream buffer or located on property in a special protection area which must submit a water quality plan; and
3. The modification does not require approval of a new subdivision plan.

Any changes from the approved exemption request may constitute grounds to rescind or amend any approval actions taken and to take appropriate enforcement actions. If there are any subsequent modifications planned to the approved plan, a separate amendment must be submitted to M-NCPPC for review and approval prior to those activities occurring. Tree save issues will be handled through the Mandatory Referral process.

If you have any questions regarding these actions, please feel free to contact me at 301-495-2189 or amy.lindsey@mncppc-mc.org.

Sincerely,

X 

Amy Lindsey, Environmental Planner

Cc: 42008194E
Michael Norton, Michael_norton@nortonlanddesign.com

Countywide Planning Division – Environmental
Montgomery County Department of Park and Planning
Maryland-National Capital Park and Planning Commission

1 of 4

Effective: January 1, 2005

8787 Georgia Avenue
Silver Spring, Maryland 20910-3760

www.mc-mncppc.org/development

Phone 301.495.4542
Fax 301.495.1303

**NRI/FSD (Natural Resources Inventory / Forest Stand Delineation) and
Forest Conservation Exemption Review**

NRI/FSD Plan Number	4 - _____	
Date Application Received	_____	
Date Application Complete	_____	
Application Completed by	_____	
Pending Plan No., if applicable	_____	
Fee (attach worksheet)	_____	
Fee Received by	_____	

An application will not be accepted for review unless all required information below and appropriate fees are provided. If an item requires more space, attach a separate sheet.

Name of Plan: OLNEY LIBRARY

200 scale Base Map # 224nw03 Tax Map # HT563

Special Protection Area: ☒ Not in SPA ☐ Little Seneca Creek ☐ Piney Branch ☐ Upper Paint Branch

Property Tax Account Number(s) associated with the plan (8 digits)

A. 01928420 B. _____ C. _____ D. _____ E. _____
F. _____ G. _____ H. _____ I. _____ J. _____

Location:

On 3500 Olney Laytonsville Road, 400 feet S of Ingle Wood Dr.
Street Name (N,S,E,W etc.) Nearest Intersecting Street

Subdivision Information: (Complete either A, if located within a recorded subdivision, or B)

A. Lot _____ Block _____ Subdivision _____
B. Parcel 964 Liber 5548 Folio 362; Parcel _____ Liber _____ Folio _____; Parcel _____ Liber _____ Folio _____

Applicant (Owner or Contract Purchaser)

Montgomery County DPWT, c/o Shri Gondohalekar

Name

101 Monroe Street, 11 th floor

Street Address

Rockville

City

MD
State

20850
Zip Code

(240) 777-6071 (240) 777-6003

Telephone Number ext. Fax Number

Contact Person (If other than applicant)

Michael Norton, Haines Land Design LLC

Name

811 Russell Avenue, Suite 303

Street Address

Gaithersburg

City

MD
State

20879
Zip Code

(301) 216-9650 (301) 216-9649 mike-hld@erols.com

Telephone Number ext. Fax Number E-mail

Plan Preparer (Qualifications of preparer must be included if individual has not been previously certified.)

Michael Norton

Name

LA 3310

L.A. or Forester Certification No.

(301) 216-9650 (301) 216-9649

Telephone Number ext. Fax Number

mike-hld@erols.com

E-mail

Complete sections 1 and 2: (and section 3 if applying for an FCP Exemption)

Complete all information below for FCP Exemption (If you are clearing more than 5,000 sf. of forest/tree canopy or you answer yes to e, f or g below, you may not qualify for an exemption, refer to the M-NCPPC Tree manual to determine if a Tree Save Plan or FCP will be required).

a. Type of Exemption being applied for: Modifications to previously developed property
(Refer to the Forest Conservation Law, section 22A-5 for description of exemptions. Attach appropriate information to support the request including plan drawings, narrative of activities, tree clearing illustrations, etc.)

b. Is the Declaration of Intent attached, if required? ☐ Yes ☒ No
If yes, type: ☐ Agricultural ☐ Real Estate Transfer ☐ Residential Single Lot

c. Total area of existing forest: 0.00 ac. or 0 s.f.

d. Total area of forest/tree disturbance (measured by canopy area removed): 0.00 ac. or 0 s.f.

e. Are any of the trees $\geq 30"$ in diameter at 4.5' above the ground, or otherwise a specimen of the species?
☒ Yes (If yes, attach site plan drawing/sketch showing the trees in relation to the proposed limits of disturbance.) ☐ No

f. Is the clearing area within a stream buffer? ☐ Yes ☒ No (Area within 200 – 300 feet of a stream could be part of a buffer.)

g. Is a SPA water quality plan required? ☐ Yes ☒ No
(Contact MCDPS for information regarding the SPA requirements at 240 777-6242)

- 3.9 Individual trees $\geq 24"$ dbh in areas impacted by development
- 3.10 Existing site improvements (structures, pavement, agricultural fields, etc.)
- 3.11 Anticipated limits of disturbance
- 3.12 Table containing acreage of forest, stream buffers, forested stream buffers, and anticipated total forest cleared
- 4. Existing Conditions Plan Drawing**
- 4.1 Scaled drawing with north arrow.....
- 4.2 Title information
- 4.3 Vicinity location map
- 4.4 Boundary outline of property with survey tied to the Maryland State Grid System
- 4.5 Topography
- 4.6 Existing and proposed improvements
- 4.7 Existing and proposed lot lines
- 5. Supporting Functional Information/Drawings for Forest Conservation Exemption Requests**
- 5.1 Justification sheet for exemption requests, if applicable.....
- 5.2 Tree save plan, including tree protection measures, if appropriate.....
- 6. PDF Image of Approved Plan**
- 6.1 PDF image of approved NRI/FSD or if an exemption is granted, approved Tree Save Plan. if one is required.....

No. Copies	Engineer/Surveyor	M-NCPPC Staff
	n/a	
	n/a	
	n/a	
	n/a	
2	n/a	
	n/a	
	n/a	
	n/a	
	n/a	
	n/a	
	n/a	
2	n/a	
2	n/a	
1	n/a	

Effective: May 1, 2006

8787 Georgia Avenue
Silver Spring, Maryland 20910-3760

www.mc-mncppc.org/development

Phone 301.495.4595
Fax 301.495.1306

FEE SCHEDULE AND WORKSHEET

Application Number:

To be completed by the Applicant

Applicant:	Montgomery County DPWT
Project Name: (30 character limit)	Olney Library

Pre-Application Submission (check applicable boxes)

<input type="checkbox"/> Staff Review Only	\$2,000.00	\$
<input type="checkbox"/> Staff and Planning Board Review	\$3,000.00	\$

NRI/FSD Natural Resources Inventory/Forest Stand Delineation (check applicable boxes)

<input type="checkbox"/> NRI/FSD	\$720.00	\$
<input type="checkbox"/> NRI/FSD Recertification Request	\$410.00	\$
<input checked="" type="checkbox"/> Forest Conservation Exemption Request or Recertification	\$180.00	\$ 180.00

Forest Conservation Plan (check applicable boxes)

<input type="checkbox"/> Single Family Residential	\$480.00 + \$200.00 per lot	# of lots _____ x \$200 = _____	\$
<input type="checkbox"/> All Others	\$980.00 + \$290.00 per acre	# of acres _____ x \$290 = _____	\$

Preliminary Plan of Subdivision (check applicable boxes)

(SPA-Special Protection Area) Residential (Dwelling Units – DUs)

<input type="checkbox"/> Residential			
<input type="checkbox"/> 1 to 100 DUs	\$1,500.00 + \$365.00 per DU	# of DUs (1 to 100) _____ x \$365 = \$ _____ +	\$
<input type="checkbox"/> DUs over 100	\$100.00 per DU	# of DUs (over 100) _____ x \$100 = \$ _____	
<input type="checkbox"/> SPA within plan			
<input type="checkbox"/> 1 to 9 DUs	\$380.00		
<input type="checkbox"/> 10 to 50 DUs	\$750.00		
<input type="checkbox"/> more than 50 DUs	\$750.00 + \$20.00 per DUs over 50	# of DUs > 50 _____ x \$20 = \$ _____	\$

Commercial/Industrial (Square Footage – SF)

<input type="checkbox"/> Commercial				
<input type="checkbox"/> 1 to 9,999 SF	\$3,000.00 + .15 per SF	# of SF _____ x		\$
<input type="checkbox"/> 10,000 to 24,999 SF	\$4,000.00 + .15 per SF	\$0.15 = \$ _____		\$
<input type="checkbox"/> 25,000 SF or more	\$5,000.00 + .15 per SF			\$
<input type="checkbox"/> SPA within plan	\$750.00			\$
	<u>Other</u>			
<input type="checkbox"/> Institutional/Religious	\$2,310.00			\$
<input type="checkbox"/> SPA within plan	\$750.00			\$
<input type="checkbox"/> Amend Approved Plans	Same as Preliminary Plan (enter above with no SPA fee)			
<input type="checkbox"/> Extension of Approved Plan	\$1,390.00			\$
<input type="checkbox"/> Subdivision Regulation Waiver (50-38)	\$1,390.00 per waiver	# of waivers _____		\$

Project Plan (check applicable boxes)

<input type="checkbox"/> Residential (DUs)	\$3,500.00 + \$75.00 per DU	# of DUs _____ x \$75 = _____		\$
<input type="checkbox"/> Commercial (GFA)	\$3,500.00 + \$0.15 per SF	# of SF _____ x \$.15 = _____		\$
<input type="checkbox"/> Amendment	Same as Project Plan (enter above)			
<input type="checkbox"/> Extensions	\$1,310.00			\$

Site Plan (check applicable boxes)

(SPA-Special Protection Area)

Residential (Dwelling Units – DU's)

<input type="checkbox"/> Residential				
<input type="checkbox"/> 1 to 9 DUs	\$3,000.00 + \$165.00 per DU	# of DUs _____ x		\$
<input type="checkbox"/> 10 or more DUs	\$4,500.00 + \$165.00 per DU	\$165 = \$ _____		\$
<input type="checkbox"/> SPA within plan				\$
<input type="checkbox"/> 1 to 9 DUs	\$380.00			\$
<input type="checkbox"/> 10 to 50 DUs	\$750.00			\$
<input type="checkbox"/> more than 50 DUs	\$750.00 + \$20.00 per DUs over 50	# of DUs > 50 _____ x		\$
		\$20 = \$ _____		\$
	<u>Commercial/Industrial (Square Footage – SF)</u>			
<input type="checkbox"/> Commercial				
<input type="checkbox"/> 1 to 9,999 SF	\$3,000.00 + .15 per SF	# of SF _____ x		\$
<input type="checkbox"/> 10,000 or more SF	\$4,500.00 + .15 per SF	\$0.15 = \$ _____		\$
<input type="checkbox"/> SPA within plan	\$750.00			\$

	<u>Other</u>	
<input type="checkbox"/> Institutional/Religious	\$4,020.00	\$
<input type="checkbox"/> SPA within plan	\$750.00	
<input type="checkbox"/> Major Amendments to Approved Site Plans	Same as Site Plan (enter above with SPA fee)	

<u>Minor Amendments to Approved Site Plans</u>			
<u>Amendment Type</u>	<u>Application Process</u>	<u>Changes</u>	<u>Fee</u>
<input type="checkbox"/> Minor Revisions w/o DRC	▪ Application*	Minor modification to landscape, lighting, building locations and hardscape. Actual pricing depends on number and type of revisions. Contact staff for price.	\$450.00
	▪ No DRC Meeting		to \$2,250.00
<input type="checkbox"/> Minor Revisions w/ DRC	▪ Application*	Minor amendment requiring coordination with other agencies.	\$2,250.00
	▪ DRC Meeting		

* The application must include a letter explaining the nature, scope and reasons for the requested changes.

<input type="checkbox"/> Record Plats	\$1835.00	Number of Plats: _____	\$
Total			\$ 0.00

Make Checks payable to the M-NCPPC

Date Received		Received by	
---------------	--	-------------	--

7. Special Protection Area Map

A Special Protection Area Map is not required for this project.

8. Topographic Map

See the attached full size Grading and Stormwater Management on sheet C-2.

9. Preliminary Stormwater Management Concept Plan

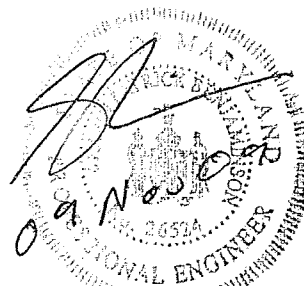
See the attached full size Grading and Stormwater Management on sheet C-2. Also, see attached Stormwater Management Concept Report Narrative (Note: Report Appendices not included with this submission).

OLNEY LIBRARY

Eighth Election District
3500 Olney Laytonsville Road
Olney, MD 20832

Stormwater Management Concept Report

November 2009



I hereby certify that these documents are prepared or approved by me, and that I am a duly licensed Professional Engineer under the laws of the State of Maryland, License No. 26524, Expiration Date: 19 July 2011.

Prepared by:
ADTEK Engineers, Inc.
97 Monocacy Blvd, Unit H
Frederick, Maryland 21701
301-662-4408

On Behalf Of:
Montgomery County Department of General Services
101 Monroe Street
Rockville, Maryland 20850
C/O Mike Lowe, Project Manager
240-777-6128

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STORMWATER MANAGEMENT CONCEPT REPORT FOR OLNEY LIBRARY

A. INTRODUCTION

The subject property is located along the South side of Olney Laytonsville Road in Montgomery County Maryland. It is bounded by commercial development along the East, and residential development along the South and West. The 2.51±-acre site is located in the Eight Election District of Montgomery County; a vicinity map is enclosed as Appendix A. The zoning for this property will remain R-200, which is acceptable for the proposed site improvements.

The project site is shown to be outside the boundary of the 100-year floodplain as depicted on the Federal Emergency Management Agency, FEMA, Flood Insurance Rate Map, Community Panel number 24031C-0215D.

B. PURPOSE

This Hydrologic Report evaluates and quantifies the need (or lack thereof) for qualitative stormwater runoff generated by the proposed site development, based upon the results of hydrologic studies.

C. ANALYSIS

All analysis was performed in accordance with the 2000 Maryland Stormwater Design Manual (July 2000). The Soil Survey of Montgomery County, Maryland (July 1995) identifies the site soils within the limits of work as being 'Urban Land, Type 'C/D' hence, hydrologic soil group type C will be used for this analysis (See Appendix B for soils map). The peak discharges were estimated using the Soil Conservation Service (SCS) TR-55, Urban Hydrology for Small Watersheds (June 1986).

All topography used to map this project is from field run topography performed by Meridian Surveys, Inc. The horizontal datum is Maryland State Plane NAD83/96 and the vertical datum is the National Vertical Datum (NGVD) 1929 Datum.

D. SUMMARY OF RESULTS

The current design calls for the building renovations and additions to the existing Olney Library. Incorporated with the design are improvements to the site entrance and main drive aisle around the building, a bioretention facility and two Contech Stormfilters® for water quality, repaving a portion of the existing parking lot, and miscellaneous improvements to the sidewalk around the proposed building expansion. All development for this property will remain inside the property limits.

The bioretention facility will treat water quality for a portion of the proposed roof. The Contech Stormfilters® proposed will treat water quality for the remaining impervious area, existing and proposed, on the subject site. Stormwater quantity storage, both Cpv and Q10, is provided by an existing off-site stormwater facility downstream of this site.

The following summary table shows the development rates for the drainage area based on TR-55.

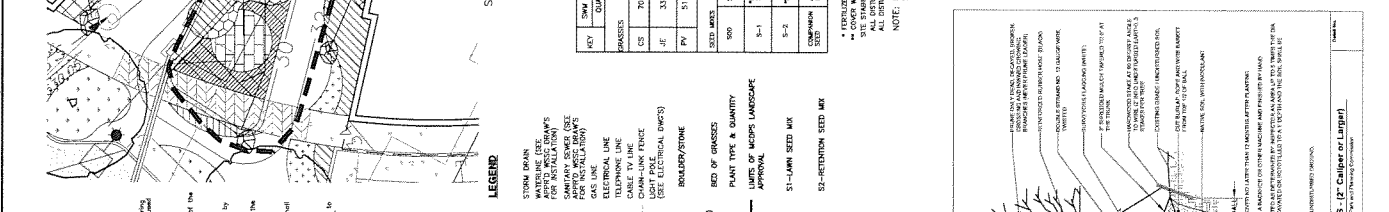
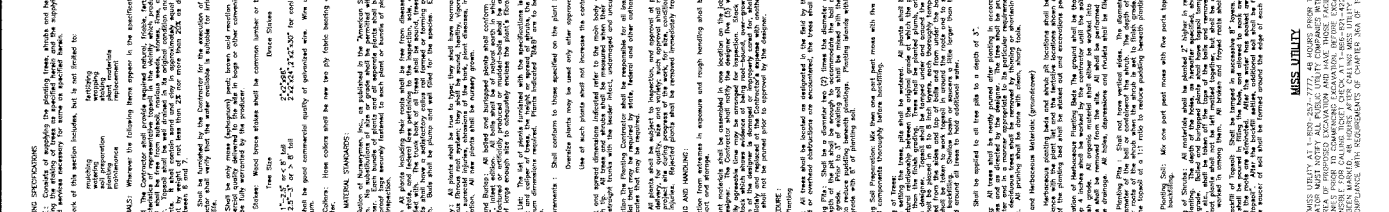
Drainage Area Discharge Summary Table				
Storm Event Development Type	1-Yr Storm (c.f.s.)	10-Yr Storm (c.f.s.)	25-Yr Storm (c.f.s.)	100-Yr Storm (c.f.s.)
Pre-Existing Condition	1.25	5.82	6.92	10.69
Existing Conditions	4.07	10.44	11.77	16.07
Proposed Conditions	4.65	11.70	13.15	17.83

E. CONCLUSION

For the proposed building additions and renovations, the added impervious cover for this site will increase by only 0.08 acres. No prior water quality measures were implemented for the existing library. The proposed design treats all imperviousness for the entire site, existing and proposed.

10. Landscape Planting Plans

See the attached full size Landscape Planting, Notes & Details, and Stormwater Planting Plans on sheets L-2.0, L-2.1 and L-2.2

[illegible]

11. Electrical Site Lighting & Photometric Plans

See the attached full size Site Lighting Plans on sheets E-401 and E-402. Also, see the lighting cut sheets on the following pages.



SITE LIGHTING FIXTURE SCHEDULE						
FIXTURE	MANUFACTURER	CATALOG NUMBER(S)	VOLTS	LAMP(S)	MOUNTING	REMARKS
LV	KLM	WPSS4-ED-5000K	277	LED	POLE	MOUNT ON 16' POLE
VI	KLM	WPSS3-ED-5000K	277	LED	POLE	MOUNT ON 16' POLE
VII	KLM	WPSS2-ED-5000K	277	LED	POLE	MOUNT ON 16' POLE
VIII	KLM	W71-X-30-ED-277	277	LED	POLE	MOUNT ON 16' POLE
IX	KLM	W71-X-30-ED-277	277	LED	POLE	MOUNT ON 16' POLE
X	KLM	GENI-VOL-ED	277	LED	BALLAST	MOUNT ON 16' POLE

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland. License No. _____ expiration date: _____

MENDOZA, RIBAS, FARINAS & ASSOC.
CONSULTING ENGINEERS
6265 Executive Boulevard, Rockville, Maryland 20852
(202) 461-1000 (750) 979-5007 ©MORRIS & Co. 10



PROJECT:
**Inley Library Addition &
Renovation Design
Development**
100 Olney-Laytonsville Road
Olney, Maryland 20832
PROJECT NO.: Client Proj. No.

Lucyline Partnership, Inc.
Architecture Planning Interiors

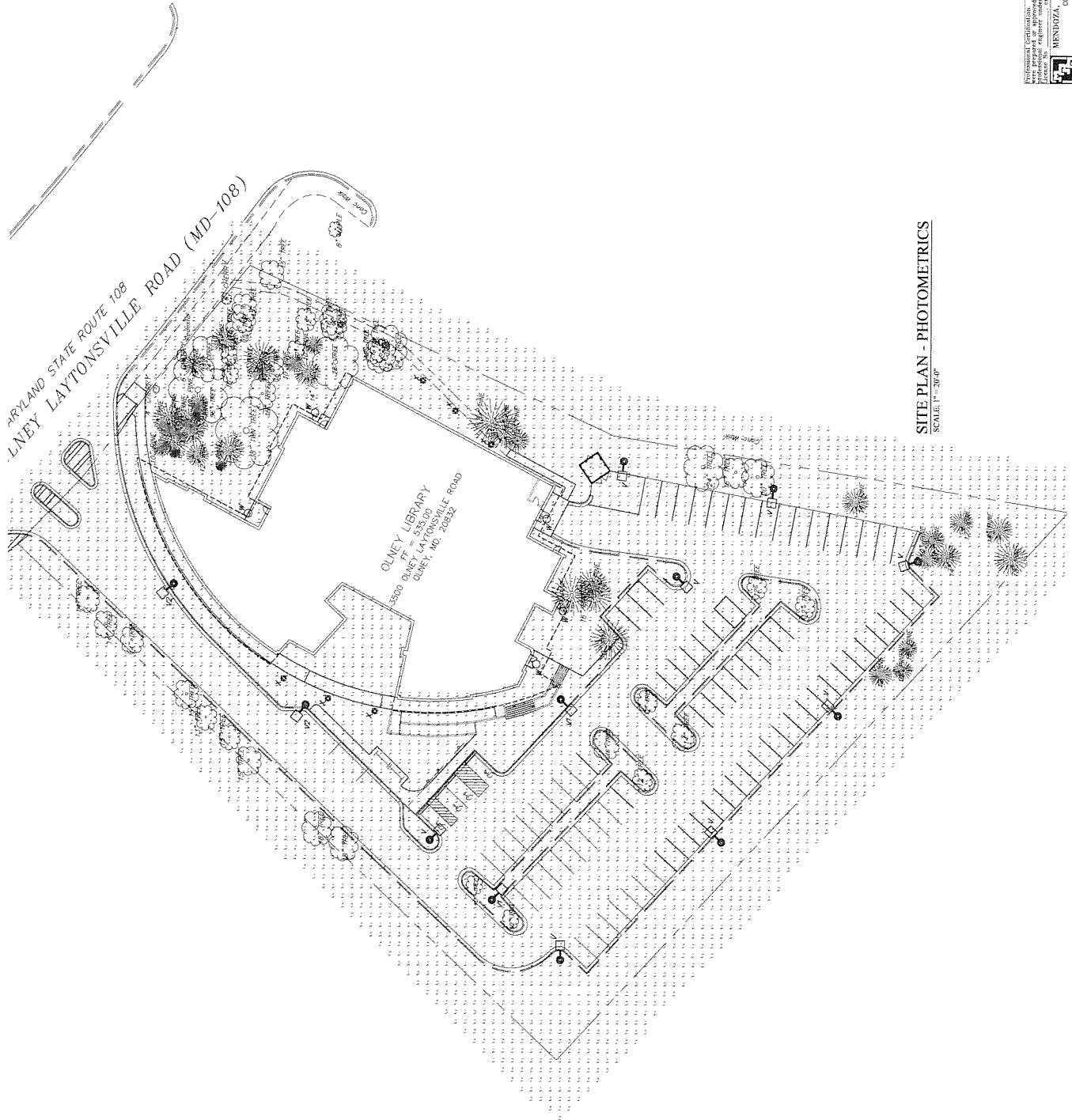
100 S. QUINCY STREET
HILLINGTON, VA 22206
703-998-0104 F. 703-558-7799
www.lukemtr.com

REGISTRATION.

ISSUE DESCRIPTION	DATE	PROJECT NO.	13310
DESIGN DEVELOPMENT	11-18-2009	WM BY	AN
MANDATORY REFERRAL	12-11-2009	CHECKED BY	PF
			PLAN

TE PLAN- HOTOMETRICS

SET NUMBER: E-402



WHITE PLAN - PHOTOMETRICS

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

Signature _____ Date _____

Case No. _____

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0.13

Light Pollution Reduction Technology



The Future of Dark Sky Compliance

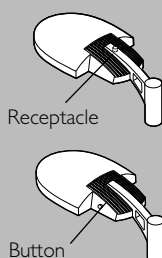
WARP9 LED exceeds Illuminating Engineering Society and International Dark Sky Association full cutoff requirements for applications where light pollution or light trespass may be a concern. WARP9 LED's unique optical system and smooth flat glass lens produces full cutoff with zero light above 90° contributing to the enjoyment of celestial visibility at night for future generations.

WARP9 LED with the IDA Fixture Seal of Approval™ meets full cutoff regulations in any jurisdiction.



Ordering Information

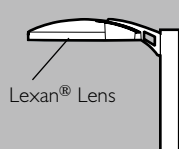
7 Optional Photocell:



Cat. No.: **A-25**
Receptacle
A-30 - A-35
Button

Two types of photocell controls are available. A receptacle for a NEMA base photocell (by others) is located above the electrical compartment. Also available is an internal photocell with a button sensor on the left side of the fixture. For all multiple-fixture pole mountings with two or three fixtures, one fixture has a receptacle to operate the others.

8 Optional Lexan® Flat Non-Yellowing Lens:



Cat. No.: **LS**

One-piece non-yellowing flat advanced polymer (Lexan® from GE Advanced Materials) replaces standard tempered glass lens.

CAUTION: Use only when risk of vandalism is anticipated to be high. For LED use only.

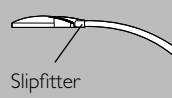
9 Optional Tamper-Resistant Latches:



Cat. No.: **TL**

Standard die-cast latches are optical cavity and electrical cavity provided with a captive 10-32 stainless steel flat socket-head screw to prevent unauthorized opening. Required only for vandal protection in locations where fixtures may be reached by unauthorized persons.

10 Optional Horizontal Slipfitter Mount:



Cat. No.: **HSF**

Replaces standard mounting arm with a slipfitter for mounting to a horizontal pole davit-arm with 2" pipe-size mounting end (2 3/8" O.D.). Provides ±5° vertical fixture adjustment.

11 Special Option for Street Lighting:

Cat. No.: **TB**

Terminal Block located inside the fixture electrical compartment. (For Large WARP9 LED only.)

12 Dimming Controls:

Contact factory for further details and current capabilities.

Kim Lighting is working with several driver suppliers and control system manufacturers to develop a variety of proven turnkey solutions to meet any application's need. Kim Lighting will advise availability of complete control packages, and even two-way monitoring systems, once they have been tested and exceed Kim's high quality standards.

13 Poles:

See Kim Arms and Poles Selection Guide for a complete selection of round and square poles in aluminum and steel.

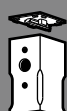
14 Optional Vertical Slipfitter Mounts:

Round



Cat. No.:
VSF-1SA
VSF-2SB
VSF-2SL
VSF-3ST
VSF-3SY
VSF-4SC

Square



Cat. No.:
SVSF-1SA
SVSF-2SB
SVSF-2SL
SVSF-3ST

SVSF-4SC

Mounting Configuration

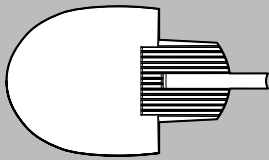
1SA - Single arm mount
2SB - 2 at 180°
2SL - 2 at 90°
3ST - 3 at 90°
3SY - 3 at 120°
45 - 4 at 90°

Allows standard fixture and arm to be mounted to poles having a 2 pipe-size tenon (2 3/8" O.D. x 4 1/2" min. length).

Small Specs

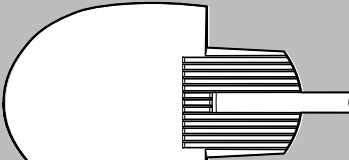
Large Specs

WP9SE
Small LED
60 LEDs
EPA: .52
Maximum Weight:
17 lbs.
Maximum System
Watts = 88 W

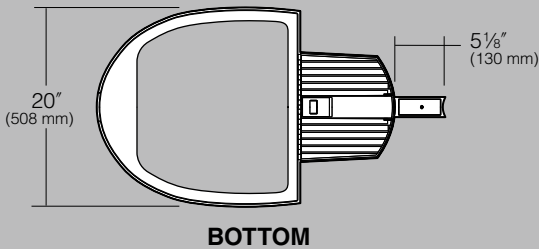
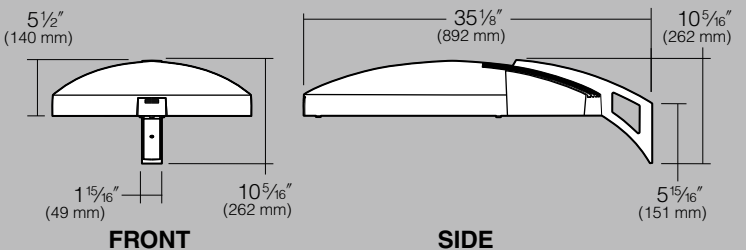
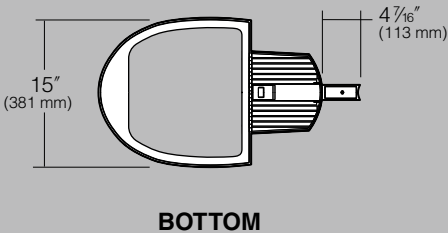
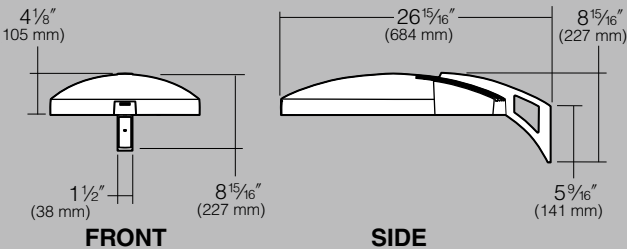


TOP

WP9LE
Large LED
120 LEDs
EPA: .95
Maximum Weight:
35 lbs.
Maximum System
Watts = 175 W



TOP



Specifications

HOUSING: One-piece die-cast, low copper alloy (<0.6% Cu) aluminum with integral cooling ribs over the electrical compartment. Solid barrier wall separates optical and electrical compartments. A single die-cast aluminum cam-latch provides positive locking and sealing of the optical chamber. A one-piece extruded and vulcanized silicone gasket seals the housing against the lens surface.

ELECTRONIC DRIVER MODULE: One-piece die-cast, low copper alloy (<0.6% Cu) aluminum with integral cooling ribs over exposed bottom surface. Integral hinges and slide latch with stainless steel hardware provides no-tool mounting and removal from housing. All electronic components are UL and CSA recognized and mounted directly to the driver tray for maximum heat dissipation.

LENS: Clear 3/4" thick tempered glass lens retained by a stainless steel piano hinge and a single die-cast aluminum cam-latch. The edges are camouflaged to conceal the outer portion of the housing.

OPTICAL MODULE: Precision injection molded, high specular reflectors are positioned to achieve directional control toward desired task. Secondary high specular reflector 95% Miro4 panels surround the module to redirect light downward. No fasteners are placed on the reflective surface. The entire assembly fastens to the housing as a one-piece module and features wiring quick-connects for easy upgrading.

SUPPORT ARM: Heavy cast, low copper alloy aluminum with stainless steel mounting bolts. A pole reinforcing plate is provided with wire strain relief. Arm is circular cut for specified round pole.

FINISH: Super TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness, applied over a titanated zirconium conversion coating; 2500 hour salt spray test endurance rating. Standard colors are Black, Dark Bronze, Stealth Gray™, Platinum Silver, or White. Custom colors are available.

CAUTION: Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

Listings and Ratings			
UL cUL I 598	CE	IP66	25°C Ambient

Kim Lighting reserves the right to change specifications without notice.

Type:
Job:
Catalog number:

Approvals:

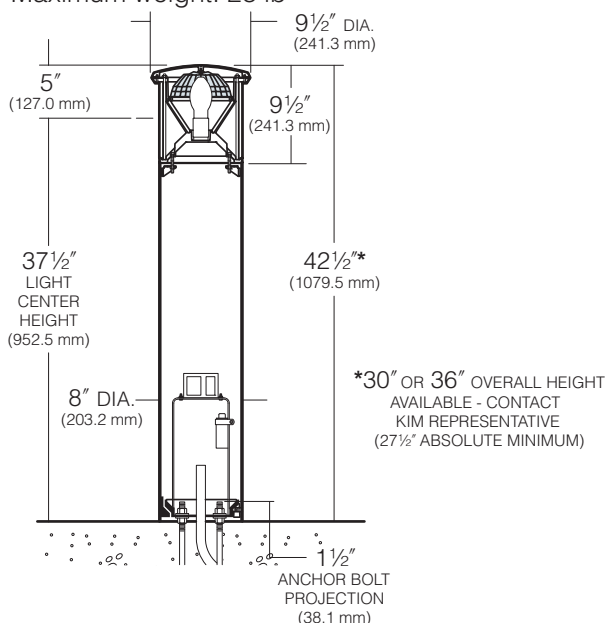
GEM1	/	/	/
Fixture	Electrical Module	Top Cap Finish (Includes top cap and shaft)	Optional Houseside Shield
See page 2			

Date:
Page: 1 of 2

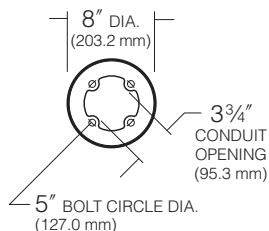
Specifications

GEM™ Models
70 to 100 watt HID
Medium Base Lamps
32 watt Compact Fluorescent
30 to 60 watt LED

GEM1
Maximum weight: 28 lb



BASE PLAN GEM ALUMINUM SHAFT



Top Cap: Die-cast, low copper (<0.6% Cu) aluminum secured to rib body by captive stainless steel allen cap screws. For lamp access, allen screws shall not require complete removal.

Supports: Die-cast, low copper (<0.6% Cu) aluminum supports secured in place as a complete cage assembly. The top section provides a cutoff lamp compartment. The supports are secured to the shaft by four stainless steel tie rods.

Refractor: Thermally tempered soda lime glass sealed with silicone gaskets top and bottom.

Socket: Porcelain medium base socket rated 4KV for HID Plastic socket for Fluorescent.

Shaft: One-piece aluminum extrusion, .125" minimum wall thickness with a heavy cast aluminum anchor base concealed within the shaft. Hex socket stainless steel set screws shall lock the shaft onto the cast frangible anchor base.

Ballast: Factory mounted to rigid harness attached to the anchor base. Wiring shall be supplied from the socket for field connection to the prewired ballast components. **HID:** High power factor with starting temperatures of -20°F. for PMH and -40°F. for HPS lamp modes. **26W, 32W Fluorescent:** High power factor with starting temperature of 0°F.

LED Optical System: A total of 9 LED emitters configured in a rectangular array comprised together as a module. Two (2) modules for 30W version; three (3) modules for 45W version; and four (4) modules for 60W version. Available in "Halogen White" (approx. 3500K). Emitters are directly attached to the electronic driver.

LED Driver: Constant current electronic driver. Rated for 30, 45, or 60 watts. Available in 120V or 277V input. 0°F. starting temperature. All drivers are Underwriters Laboratories recognized.

Anchor Bolts: Four 3/8" x 10" + 2" zinc plated J-bolts, each with two nuts, washers and a rigid pressed board template.

Finish: Super TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness, applied over a titanated zirconium conversion coating; 2500 hour salt spray test endurance rating. Standard colors are Black, Dark Bronze, Light Gray, Stealth Gray®, Platinum Silver, or White. Custom colors are available.

CAUTION: Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

Listings and Ratings

UL cUL 1598	IP46 Rated	CE	25C Ambient
CO = Cut Off ¹			

¹Dark Sky Legislation Compliant

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

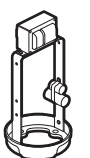










Type:

Job:

Page: 2 of 2



Standard and Optional Features

Fixture	Cat. No. GEM1 Fixture with Aluminum Shaft																																																																				
Electrical Module PMH = Pulse Start Metal Halide HPS = High Pressure Sodium PL = Compact Fluorescent LED = Light Emitting Diodes <div> <div>Lamp Watts</div> <div>Lamp Type</div> <div>Line Volts</div> </div> <div>70 PMH 277</div>  <p>NOTE: For lamp/ballast information outside of the U.S.A. and Canada, please consult your local Kim representative.</p>	Cat. Nos. for Electrical Modules available: <table> <tr> <td></td><td colspan="2">Pulse Start Metal Halide</td><td colspan="2">High Pressure Sodium</td></tr> <tr> <td></td><td><input type="checkbox"/> 70PMH120</td><td><input type="checkbox"/> 100PMH120</td><td><input type="checkbox"/> 70HPS120</td><td><input type="checkbox"/> 100HPS120</td></tr> <tr> <td></td><td><input type="checkbox"/> 70PMH208</td><td><input type="checkbox"/> 100PMH208</td><td><input type="checkbox"/> 70HPS208</td><td><input type="checkbox"/> 100HPS208</td></tr> <tr> <td></td><td><input type="checkbox"/> 70PMH240</td><td><input type="checkbox"/> 100PMH240</td><td><input type="checkbox"/> 70HPS240</td><td><input type="checkbox"/> 100HPS240</td></tr> <tr> <td></td><td><input type="checkbox"/> 70PMH277</td><td><input type="checkbox"/> 100PMH277</td><td><input type="checkbox"/> 70HPS277</td><td><input type="checkbox"/> 100HPS277</td></tr> <tr> <td></td><td><input type="checkbox"/> 70PMH347</td><td><input type="checkbox"/> 100PMH347</td><td><input type="checkbox"/> 70HPS347</td><td><input type="checkbox"/> 100HPS347</td></tr> <tr> <td>Lamp</td><td>E-17, Clear</td><td>E-17, Clear</td><td>ED-17, Clear</td><td>ED-17, Clear</td></tr> <tr> <td>Socket</td><td>Medium Base</td><td>Medium Base</td><td>Medium Base</td><td>Medium Base</td></tr> <tr> <td>ANSI Ballast Type</td><td>M-98</td><td>M-90</td><td>S-62</td><td>S-54</td></tr> </table> <table> <tr> <td></td><td>Compact Fluorescent</td><td>LED</td><td></td><td></td></tr> <tr> <td></td><td><input type="checkbox"/> 32PL¹</td><td><input type="checkbox"/> 30LED120 <input type="checkbox"/> 30LED277  IES Type 1</td><td><input type="checkbox"/> 45LED120 <input type="checkbox"/> 45LED277  IES Type 3</td><td><input type="checkbox"/> 60LED120 <input type="checkbox"/> 60LED277  IES Type 5</td></tr> <tr> <td>Lamp</td><td>Compact Fluor.</td><td>LED</td><td>LED</td><td>LED</td></tr> <tr> <td>Socket</td><td>GX24q-3</td><td>N/A</td><td>N/A</td><td>N/A</td></tr> </table> <p>¹32PL operates one 26, or 32 watt lamp at 120 thru 277 volts (50-60 Hz). NOTE: Clear lamps are recommended.</p>					Pulse Start Metal Halide		High Pressure Sodium			<input type="checkbox"/> 70PMH120	<input type="checkbox"/> 100PMH120	<input type="checkbox"/> 70HPS120	<input type="checkbox"/> 100HPS120		<input type="checkbox"/> 70PMH208	<input type="checkbox"/> 100PMH208	<input type="checkbox"/> 70HPS208	<input type="checkbox"/> 100HPS208		<input type="checkbox"/> 70PMH240	<input type="checkbox"/> 100PMH240	<input type="checkbox"/> 70HPS240	<input type="checkbox"/> 100HPS240		<input type="checkbox"/> 70PMH277	<input type="checkbox"/> 100PMH277	<input type="checkbox"/> 70HPS277	<input type="checkbox"/> 100HPS277		<input type="checkbox"/> 70PMH347	<input type="checkbox"/> 100PMH347	<input type="checkbox"/> 70HPS347	<input type="checkbox"/> 100HPS347	Lamp	E-17, Clear	E-17, Clear	ED-17, Clear	ED-17, Clear	Socket	Medium Base	Medium Base	Medium Base	Medium Base	ANSI Ballast Type	M-98	M-90	S-62	S-54		Compact Fluorescent	LED				<input type="checkbox"/> 32PL¹	<input type="checkbox"/> 30LED120 <input type="checkbox"/> 30LED277  IES Type 1	<input type="checkbox"/> 45LED120 <input type="checkbox"/> 45LED277  IES Type 3	<input type="checkbox"/> 60LED120 <input type="checkbox"/> 60LED277  IES Type 5	Lamp	Compact Fluor.	LED	LED	LED	Socket	GX24q-3	N/A	N/A	N/A
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Lamp	Compact Fluor.	LED	LED	LED																																																																	
Socket	GX24q-3	N/A	N/A	N/A																																																																	
Finish Super TGIC thermoset polyester powder coat paint over a titanated zirconium conversion coating on fixture and shaft.	Top Cap Color: Black Dark Bronze Light Gray Stealth Gray® Platinum Silver White Custom Colors ² Cat. No.: <input type="checkbox"/> BL <input type="checkbox"/> DB <input type="checkbox"/> LG <input type="checkbox"/> SG <input type="checkbox"/> PS <input type="checkbox"/> WH <input type="checkbox"/> CC ² Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____ Aluminum Riser (Shaft) Aluminum Riser shaft is finished to match fixture with super TGIC thermoset polyester powder coat paint over a titanated zirconium conversion coating.																																																																				
Houseside Shield Cat. No. <input type="checkbox"/> HS <input type="checkbox"/> No Option	90° houseside shield. .032" thick aluminum, painted to match fixture.																																																																				



LED Round Wall Forms®

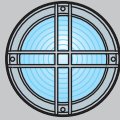
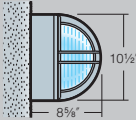
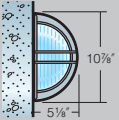
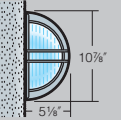
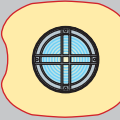




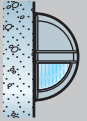

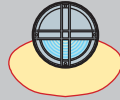
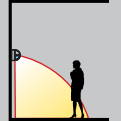
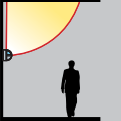





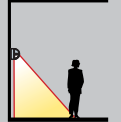
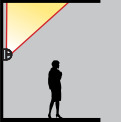
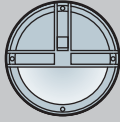



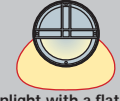
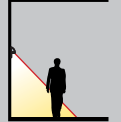

Star View™
DarkSky
compliant
(select models)



Supplement:
15W or 30W LED Wall Mounted Luminaires

15W or 30W

Optical Feature Matrix

Configuration	Surface Mount	Recessed Concrete Mount	Recessed Hollow Mount			
						
Full Face	WF20	WF30C	WF30H	Uplight & Downlight Smooth or internally prismed etched glass lens	Building Facade	Perimeter Walk & Eave Lighting
						
Half Face	WF21	WF31C	WF31H	Downlight with an exposed lens or Uplight in protected areas Smooth or internally prismed etched glass lens	Perimeter Walkway	Eave Lighting
						
Cutoff Face	WF22	WF32C	WF32H	Downlight with a flat lens or Uplight in protected areas Flat etched glass lens, textured lower panel	Perimeter Walkway	Eave/Entry Lighting
						
Shallow Cutoff Face	WF23	WF33C ADA COMPLIANT	WF33H ADA COMPLIANT	Downlight with a flat lens or Uplight in protected areas Recessed flat etched glass lens, smooth recessed lower panel	Perimeter Walkway	Eave/Entry Lighting

Design Features

Prismatic Lens

Open face design with internal lens prisms provides maximum visual impact with an additional subtle lens effect. Internal prisms and etching maintain a smooth exterior surface for ease of cleaning.

Smooth Lens

Open face design with etched surface provides soft visual appearance, while optimizing light output. Internal etching maintains a smooth exterior surface for ease of cleaning.

Hooded Lens

Hooded design provides a unique appearance, available with smooth or prismatic lens. Hood reduces fixture presence and protects lens from damage.



Ordering Information

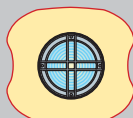
Ordering Example: WF30C / P / 30LED120 / PS / SF

1 2 3 4 5

1 Fixture

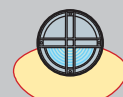
Catalog No. designates WF fixture. To prevent water damage, inverted fixtures must be protected from direct water spray or rain by a canopy or overhang.

Surface Mounted Cat. No.:
Recessed Concrete Cat. No.:
Recessed Hollow Wall Cat. No.:



Full Face

WF20
WF30C
WF30H



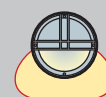
Half Face

WF21
WF31C
WF31H



Cutoff Face

WF22
WF32C
WF32H



Shallow
Cutoff Face

WF23
WF33C
WF33H

2 Lens

Required for Full Face and Half Face only.

Cat no.: **P**



Prisms

Cat no.: **S**



Smooth

Cat no.: **P**



Prisms

Cat no.: **S**



Smooth

n/a
Flat Tempered
Glass Only

n/a
Flat Tempered
Glass Only

3 Electrical Module

Light Emitting Diode

15LED120 • 15LED277
30LED120 • 30LED277

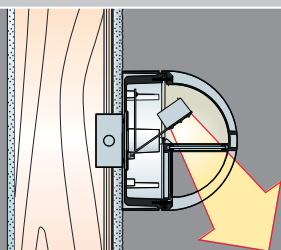
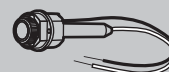
4 Finish

Super TGIC powder coat paint over titanated zirconium conversion coating.

Color: **Black** **Dark Bronze** **Light Gray** **Stealth Gray®** **Platinum Silver** **White**
 Cat. No.: **BL** **DB** **LG** **SG** **PS** **WH**
CC For custom color, consult your Kim Lighting representative.

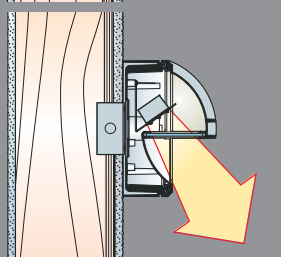
5 Optional Single Fusing

Single fusing for 120V and 277V



Flat Clear Lens

Highly efficient with cutoff optics, reduces unwanted glare, while maintaining fixture presence. Ribbed back panel produces a textured relief.



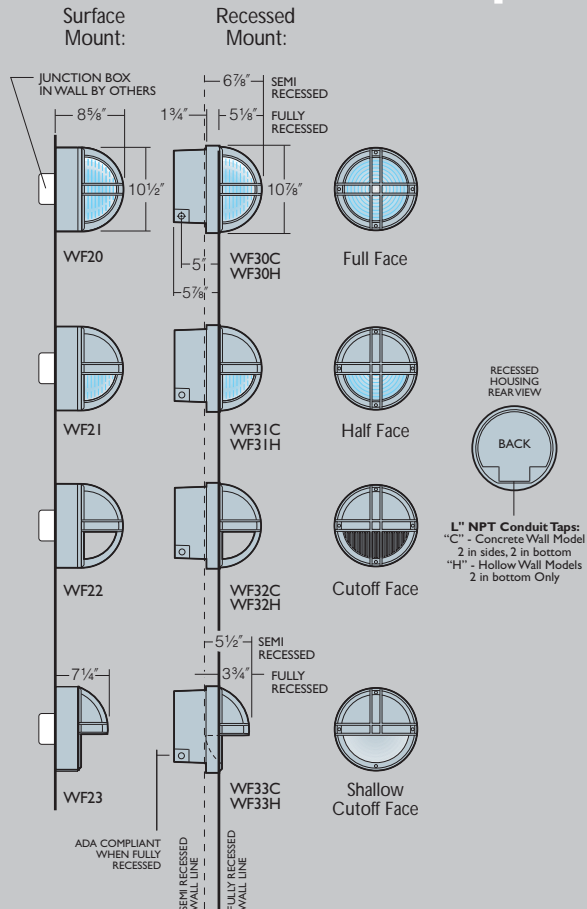
ADA Recessed Lens

Open face design with internal lens prisms provides maximum visual impact with an additional subtle lens effect. Internal prisms and etching maintain a smooth exterior surface for ease of cleaning.





Luminaire Specifications



Housing: Surface Mount: Die-cast, low copper (<.6% Cu) aluminum alloy with double side walls. Zinc plated steel mounting plate supplied for mounting to standard 3" or 4" junction box.

Recessed Concrete: Die-cast, low copper (<.6% Cu) aluminum alloy with clear anodize under powder coat finish to match louver and face plate. Integral junction box (21 cubic inch volume) with four 3/4" NPT conduit taps. Presswood niche cover provided as temporary protection against moisture.

Recessed Hollow Wall: Die-cast, low copper (<.6% Cu) aluminum alloy with clear anodize under powder coat finish to match louver and face plate. Integral junction box (21 cubic inch volume) with four 3/4" NPT conduit taps. Presswood niche cover provided as temporary protection against moisture. Supplied with adjustable stud mount brackets plus insulation detector in place of one side conduit tap. Quick disconnect plug supplied for electrical module.

Face Plate: Die-cast, low copper (<.6% Cu) aluminum alloy with vertical and horizontal double ribs covering the full hemisphere. Ribs are minimum 5/8" depth and 3/16" thickness. Secures to housing with four stainless steel captive socket head screws.

Half Face: Solid upper half.

Cutoff Face: Solid upper half and solid lower half with vertical light baffles.

Shallow Cutoff Face: Solid upper half protruding 3/4" from housing and concave lower half.

Lens: Molded and heat treated glass, 3/16" minimum thickness with internal sandblast. Retained in faceplate and sealed with a one-piece silicone gasket.

Full and Half Face: Choice of smooth (S) or internal prisms (P).

Cutoff and Shallow Cutoff Face: Flat tempered glass only.

LED Driver: 1 or 2 constant current electronic driver(s). Rated for 15 watts each: 15W=900lm, 30W=1800lm. Available in 120V or 277V input. -40°F. starting temperature. All drivers are Underwriters Laboratories recognized.

Finish: Super TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness, applied over a titanated zirconium conversion coating; 2500 hour salt spray test endurance rating. Standard colors are Black, Dark Bronze, Light Gray, Stealth Gray, Platinum Silver, or White. Custom colors are available, consult representative.

Pour Items: Recessed housings, devoid of all electrical components. Protective presswood niche covers are supplied to temporarily seal the open housings until the electrical modules and face plates are ready to install. Quick disconnect plugs supplied for electrical modules. For recessed hollow wall configurations, insulation detectors supplied in place of one conduit tap for insulation is permitted above the housing or within 3" of sides and bottom. Detectors will cut power if fixtures overheat due to insulation.

Finishing Items: Electrical modules and face plates. Each set of finishing items shall be in one container, clearly marked with the fixture catalog number.

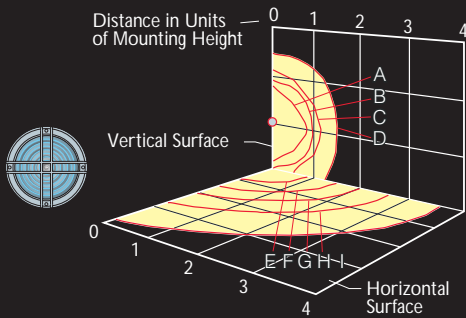
Caution: Fixtures must be grounded in accordance with national, state, and/or local electrical codes. Failure to do so may result in serious personal injury.

Photometrics

WF20: Full Face - 30W LED

Initial Footcandles at Listed Mounting Height
1800 lumens

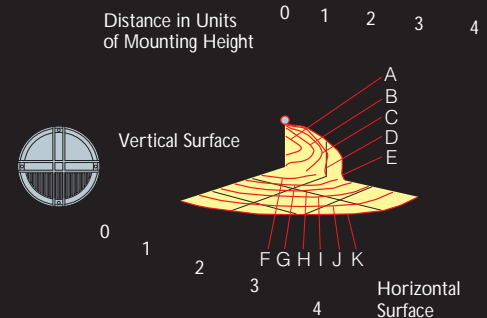
	7	8	9	10
A	.40	.31	.24	.20
B	.20	.15	.12	.10
C	.10	.10	.06	.05
D	.04	.03	.02	.02
E	.83	.64	.50	.41
F	.33	.25	.20	.16
G	.20	.15	.12	.10
H	.10	.10	.06	.05
I	.04	.03	.02	.02



WF22: Cutoff Face - 30W LED

Initial Footcandles at Listed Mounting Height
1800 lumens

	7	8	9	10
A	.40	.31	.24	.20
B	.20	.15	.12	.10
C	.10	.10	.06	.05
D	.04	.03	.02	.02
E	.01	.01	.01	.01
F	.83	.64	.50	.41
G	.33	.25	.20	.16
H	.20	.15	.12	.10
I	.01	.10	.06	.05
J	.04	.03	.02	.02
K	.01	.01	.01	.01



12. Overall Concept Development Plan

An overall Concept Development Plan is not required.

13. Statement of Compliance with Montgomery County Noise Ordinance

The Olney Library HVAC mechanical equipment will be designed to comply with the maximum allowable noise levels for residential areas as established on chapter 31, paragraph 31B-5 of the Montgomery County Noise Ordinance, consistent with Montgomery County Park and Planning Noise Guidelines. The criteria for the residential noise area are as follows:

1. Max. Daytime allowable noise level (dBA):
65 dBA, but no greater than 55 dBA from a prominent discrete tone or impulse noise at the location on a receiving property.
2. Max. Nighttime allowable noise level (dBA):
55 dBA, but no greater than 50 dBA from a prominent discrete tone or impulse noise at the location on a receiving property.

14. Architectural Schematics

See attached architectural schematics. Also, see the attached full size Architectural Plans and Elevations on sheets A-101, A-104, A-201, A-202, A-203, and A-1101.



PROJECT:
**Olney Library Addition &
Renovation Design
Development**
900 Olney-Lynchessville Road
Olney, Maryland 20832
PROJECT NO.: Client Proj. No.
Lukemre Partnership, Inc.
Architecture Planning Interiors

300 S. QUINCY STREET
ARLINGTON, VA 22206
703-998-0101 F: 703-998-7795
www.bukmin.com

Professional Certification.
I certify that these documents were prepared or
approved by me, and that I am a duly licensed
architect under the laws of the State of
_____, license number _____, expiration date _____.

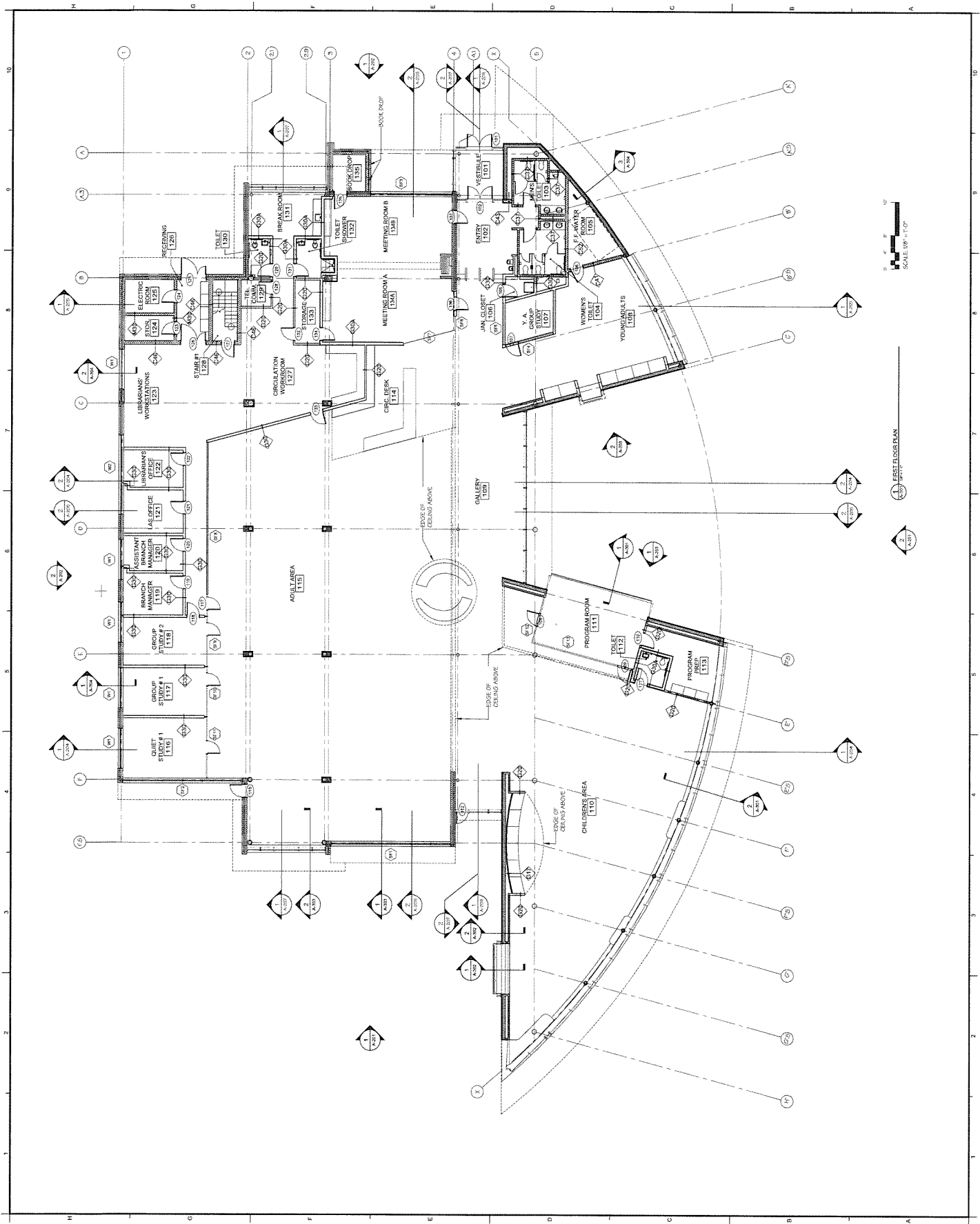
REGISTRATION

D.O.	DATE	ISSUE DESCRIPTION
	11-18-2009	DO SUBMISSION
	12-11-2009	MR REVIEW

PROJECT NO:	13210
DRAWN BY:	WEL, M
CHECKED BY:	WEL, S
PLAN:	

FIRST FLOOR PLAN

SHEET NUMBER:
A-101





PROJECT:
**Inley Library Addition &
Renovation Design
Development**
800 Gentry-Laytonville Road
Gentry, Maryland 20832

PROJECT NO.: Client Proj. No.

100 S. QUINCY STREET

ARLINGTON, VA 22208
 703-698-0104 F: 703-698-7795
www.lubdmln.com

_____, expiration date _____, and that I am a duly licensed architect under the laws of the State of _____.

REGISTRATION:

D.	DATE	ISSUE DESCRIPTION
	11-18-2019	DD SUBMISSION
	12-11-2019	MR REVIEW

[illegible][illegible]

PROJECT NO:	13210.0
DRAWN BY:	WE, M
CHECKED BY:	WB, SB

PLAN:

G
G

Plan North

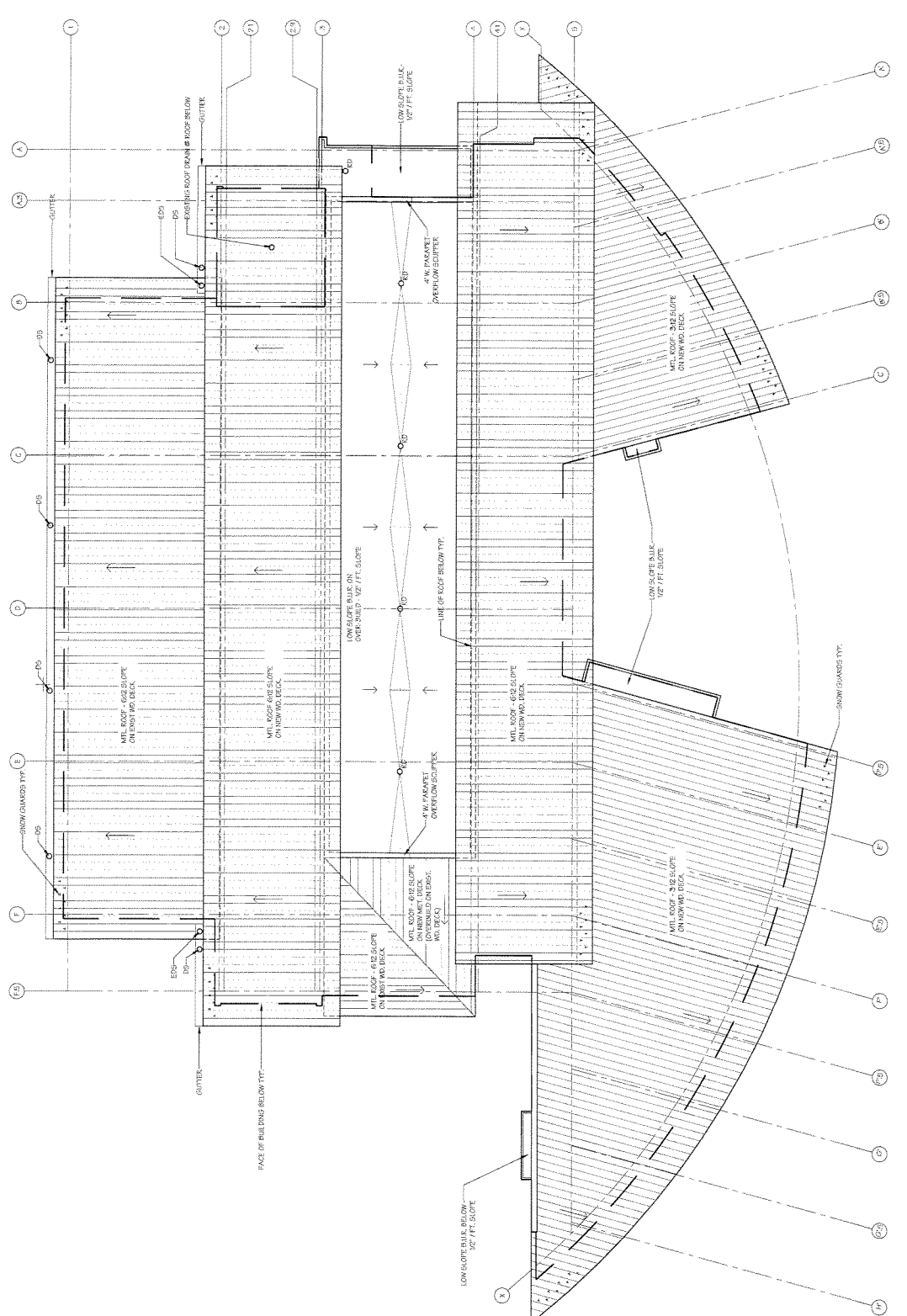
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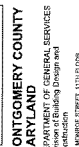
PROOF PLAN

SET NUMBER

A-104

or $\mathcal{O}(N^2)$ for $N \times N$ matrices with no symmetry reduction





100 S QUINCY STREET
 LINGTUN, VA 22706
 703-998-0104 F: 703-998-7798
 www.kukmine.com

REGISTRATION:

[illegible]

LET TITLE:
BUILDING
EVALUATIONS

ET NUMBER
A-201

[illegible]

Fluxions are assumed to show new work U.Q.N.

Column lines are not shown on diagonal column grids.

Size specifications for full material descriptions



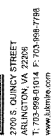
1 NORTH ELEVATION



3 WEST ELEVATION



PROJECT:
**Olney Library Addition &
Renovation Design
Development**
3500 Olney-Laytonville Road
Olney, Maryland 20832
PROJECT NO.: Client Proj. No.



Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland, license number _____, expiration date _____.

REGISTRATION.

[illegible]

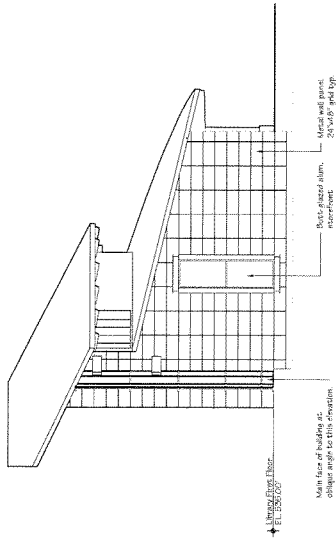
DATE PROJECT NO:	13210.00
DRAWN BY:	WE
CHECKED BY:	WE, SBC
KEY PLAN:	



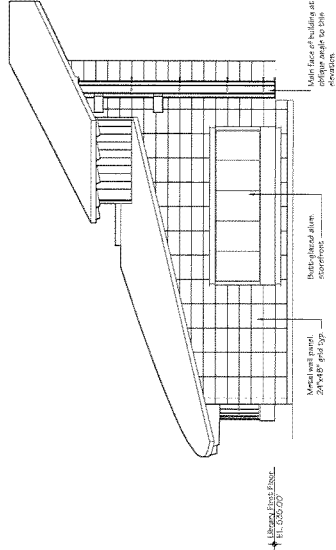
1. *Journal of the American Medical Association*, 2000; 283: 2669-2675.

A-203

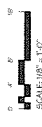
Accepted for publication 12 November 2007



2 NORTHWEST ELEVATION
8/20/04 10:00 x 1.07



1 SOUTHWEST ELEVATION
10' x 10'



15. Traffic Impact Statement

There is no proposed increase in the current number of parking spaces nor in the current levels of Library staffing. Current library hours are anticipated to remain unchanged dependent on continued current levels of County funding. The proposed modifications to the site entry (to provide dedicated right and left turn lanes on to Rt. 118) are not anticipated to have any impact on current traffic patterns on Rt. 118 but should mitigate current on-site traffic “stacking” effect caused by single exit lane. See also Narrative.

Traffic Impact Statement: December 11, 2009

Project: Olney Library Addition & Renovation
3500 Olney-Laytonsville Road
Olney, Maryland 20832

The following is a comparison of current and proposed conditions regarding the traffic conditions:

	Existing Library	Addition	Totals After Addition
Square Footage of Bldg.	16,825	5,719	22,544
Full Time Staff	8	N. C.	N.C.
Part time Staff	16	N. C.	N. C.
HC Parking	4 (3 + 1 Van)	N. C.	N. C.
Staff ParkinG	Not Designated	Not Designated	Not Designated
Total Car Parking	86	-3	83

Hours of operation

Week Days	(M-W) 10:00am-9:00pm	N. C.	N. C.
	(Th, F) 10:00am-5:00pm	N. C.	N. C.
Weekends	(Sat) 9:00am-5:00pm	N. C.	N. C.
	(Sun) 12:00pm-5:00pm	N. C.	N. C.
	(Sep – May only)		

No change: N. C.

The purpose of this project is to provide an addition to the Olney Library. The net result will be a small increase to the patron capacity. Vehicle circulation patterns will remain the same.

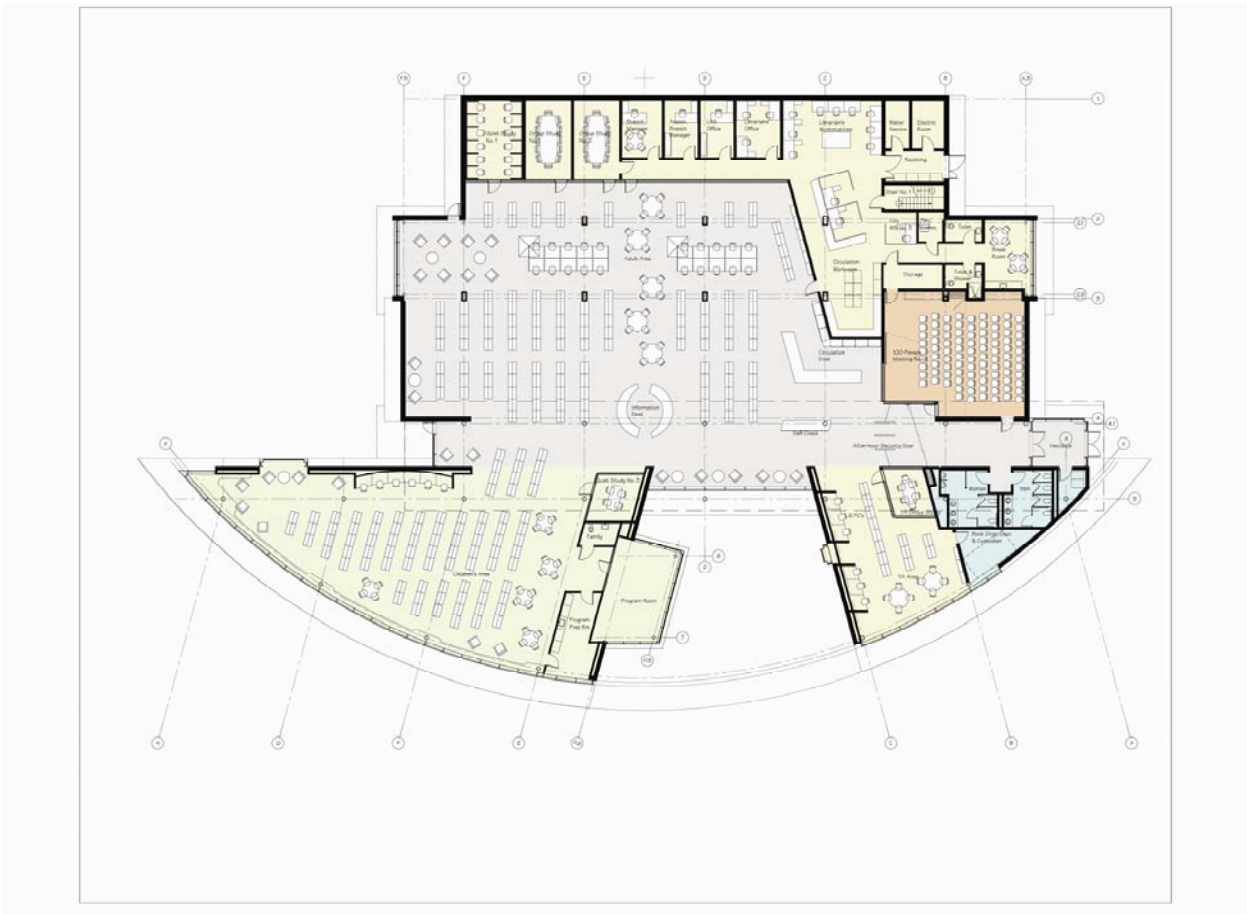
Appendix

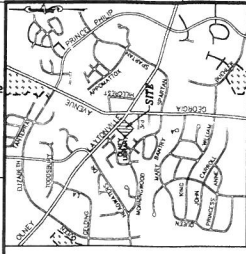
Proposed Olney Library Concept Floor Plan

Existing Conditions Photos (See Photo Key Plan):

1. View from site towards Rt. 118, Olney-Laytonsville Road.
2. View towards site entry from Rt. 118, Olney-Laytonsville Road.
3. View from Rt. 118, Olney-Laytonsville Road, towards existing East and North Building Elevations.
4. View from Rt. 118, Olney-Laytonsville Road, towards existing North Building Elevation and front entrance.
5. View from entry drive towards existing drop off and front entrance.
6. View from rear parking area towards existing West and South Building Elevations.
7. View from rear parking area towards existing rear entrance.
8. View from rear parking area towards S.W. adjacent property.
9. View from rear parking area towards N.W. adjacent property.

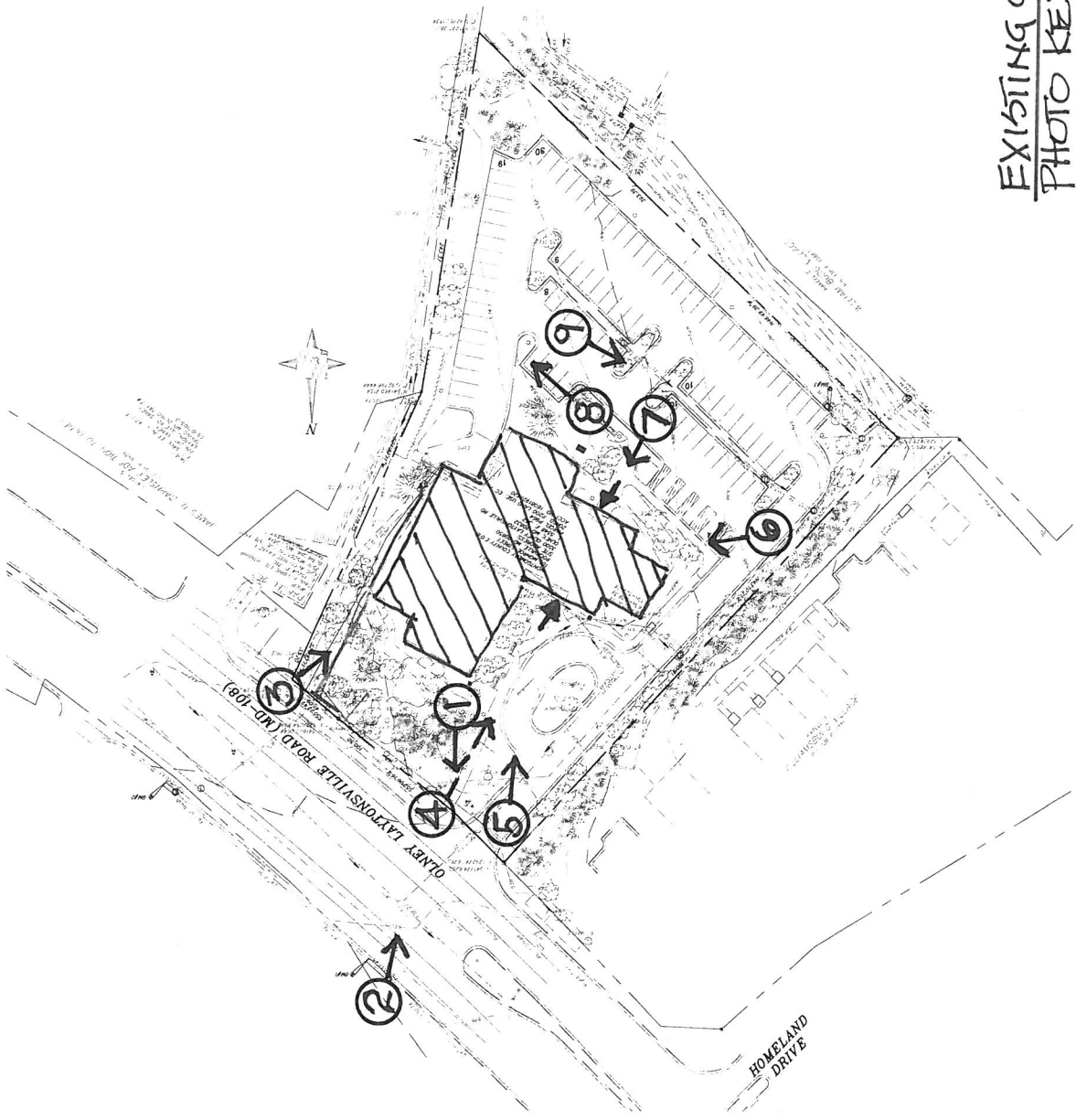
Proposed Olney Library Concept Floor Plan





VICINITY MAP
 (SEE SHEET 125 FOR
 MONMOUTH COUNTY
 LAYTONSVILLE ROAD
 (SECTION 125.00)

- LEGEND**
- PROPERTY LINE
 - CONTOUR
 - BENCHMARK
 - MANHOLE
 - STORM DRAIN
 - OVERHEAD UTILITY LINE
 - ELECTRIC LINE
 - GAS VALVE
 - WATER VALVE
 - FIRE HYDRANT
 - TELEPHONE LINE
 - LIGHT
 - SOIL
 - CHAIN LINK FENCE
 - TREE LINE



EXISTING CONDITIONS PHOTO KEY PLAN

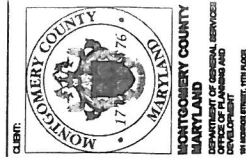
NO.	NORTHING	EASTING	ELEVATION	LOCATION
1	5418.6843	126283.2032	337.85	CATCH BASIN, NORTH SIDE OF OLNEY LAYTONSVILLE ROAD (RT. 108)
2	54172.7892	126287.7120	340.22	CATCH BASIN, NORTH SIDE OF OLNEY LAYTONSVILLE ROAD (RT. 108)
3	54172.3277	126285.3771	325.68	CORNER CATCH BASIN, NEAR CORNER OF OLNEY LAYTONSVILLE ROAD (RT. 108)

NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	54174.6310	126278.8000	535.07	REPAIR & CAP
101	54174.6310	126278.8000	535.07	REPAIR & CAP
102	54182.2665	126285.3000	533.77	500 No.

CAUTION: THIS DRAWING IS A REDUCED COPY.
 (ORIGINAL SIZE = 30" x 42")

GRAPHIC SCALE
 1" = 50' HORIZ.
 1" = 10' VERT.

DIRECTIONS
 MONTGOMERY COUNTY
 DEPARTMENT OF PUBLIC WORKS
 100 MARSHALL STREET, 11TH FLOOR
 BETHESDA, MD 20814
 ATTN: MRS. SUSANNE CHARNOCK
 TEL: (301) 771-8913
 FAX: (301) 771-8913



PROJECT:
Olney Library Addition & Renovation
Design
Development
 2700 B. QUINCY STREET
 ARLINGTON VA 22209
 TEL: (703) 771-0000
 FAX: (703) 771-0000
 www.adiek.com

ADIEK
 ARCHITECTURAL DESIGN & INTERIOR KITCHEN
 2700 B. QUINCY STREET
 ARLINGTON VA 22209
 TEL: (703) 771-0000
 FAX: (703) 771-0000
 www.adiek.com

PROJECT NO. 01-01-01
 PROJECT NO. 01-01-01
 PROJECT NO. 01-01-01

REGISTRATION

NO.	DATE	ISSUE DESCRIPTION
1	11-03-2009	Project Plan

KEY PLAN

SHEET TITLE
EXISTING CONDITIONS
PLAN

SHEET NUMBER
C-1

















